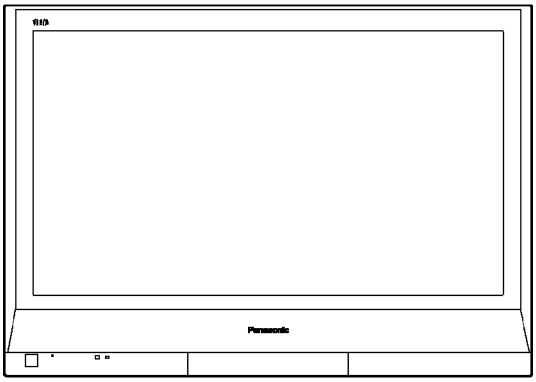
ORDER NO.PCZ0602005CE

Service Manual

Plasma Television

TH-37PV60E / TH-37PX60B / TH-42PV60E / TH-42PX60B

GP9DE Chassis



SPECIFICATIONS

Specifications

Power Source	**AC 220-240 V, 50 / 60 Hz**
Power Consumption	
Average use	**241 W (TH-37PV60E), 250 W (TH-37PX60B)** **261 W (TH-42PV60E), 270 W (TH-42PX60B)**
Standby condition	**0.3 W (PV60E)** **0.3 W (PX60B Without DVB recording), 20 W (PX60B With DVB recording)**
Plasma Display panel	
Drive method	**AC type**
Aspect Ratio	**16:9**
Contrast Ratio	**3000:1**
Visible screen size / (No. of pixels)	**94 cmV (37-inch), 106 cmV (42-inch)** **818 mm (W) × 461 mm (H) × 939 mm (diagonal) (37-inch)** **920 mm (W) × 518 mm (H) × 1,056 mm (diagonal) (42-inch)** **737,280 (1,024 (W) × 720 (H)) [3,072 × 720 dots] (37-inch)** **786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots] (42-inch)**
Sound	
Speaker	**12 cm × 6 cm × 2 pcs, 8 Ω**
Audio Output	**20 W (10 W + 10 W), 10% THD**
Headphones	**M3 (3.5 mm) Jack × 1**
PC signals	**VGA, SVGA, XGA**

		◆ ◆ ◆ ◆ ◆ ◆	
		SXGA (compressed)	
		Horizontal scanning frequency 31 - 69 kHz	
		Vertical scanning frequency 59 - 86 Hz	
eceiving Systems / / Band ame (PV60E)		PAL B, G, H, I, SECAM B, G SECAM L / L’	
		VHF E2 - E12	VHF H1 - H2 (ITALY)
		VHF A - H (ITALY)	UHF E21 - E69
		CATV (S01 - S05)	CATV S1 - S10 (M1 - M10)
		CATV S11 - S20 (U1 - U10)	CATV S21 - S41 (Hyperband)
		PAL D, K, SECAM D, K	
		VHF R1 - R2	VHF R3 - R5
		VHF R6 - R12	UHF E21 - E69
		PAL 525/60	
		Playback of NTSC tape from some PAL Video recorders (VCR)	
		M.NTSC	
		Playback from M. NTSC Video recorders (VCR)	
		NTSC (AV input only)	
		Playback from NTSC Video recorders (VCR)	
eceiving Systems / / Band ame (PX60B)		PAL I	
		UHF E21 - 68.	
		PAL 525/60	
		Playback of NTSC tape from some PAL Video recorders (VCR) or NTSC disc playback from DV player and recorder.	
		DVB	
		Digital terrestrial services via UHF aerial input.	
		M.NTSC	
		Playback from M.NTSC Video recorders (VCR).	
		NTSC (AV input only)	
		Playback from NTSC Video recorders (VCR).	
erial - Rear		VHF / UHF (PV60E)	
		UHF (PX60B)	
perating Conditions		Temperature : 0 °C - 40 °C	
		Humidity : 20 % - 80 % RH (non-condensing)	
onnection Terminals			
AV1 (Scart terminal)		21 Pin terminal (Audio / Video in, Audio / Video out, RGB in)	
AV2 (Scart terminal)		21 Pin terminal (Audio / Video in, Audio / Video out, S-Video in, Q-Link)	
AV3 (Scart terminal)		21 Pin terminal (Audio / Video in, Audio / Video out, RGB in, S-Video in, Q-Link)	
AV4	VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
	S-VIDEO	Mini DIN 4-pin	Y:1.0 V[p-p] (75 Ω) C:0.286 V[p-p] (75 Ω)
	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
Others	COMPONENT	Y	1.0 V[p-p] (including synchronization)
		P_B, P_R	±0.35 V[p-p]
	HDMI 1/2	TYPE A Connectors	
	PC	HIGH-DENSITY D-SUB 15PIN	R,G,B/0.7 V[p-p] (75 Ω) HD, VD/TTL Level 2.0 - 5.0 V[p-p] (high impedance)
	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
Output	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms] (high impedance)
imensions (W × H × D)			
		917 mm × 645 mm × 95 mm (37-inch)	
		1,020 mm × 705 mm × 95 mm (42-inch)	

Veight

26.0 kg Net (37-inch)

30.0 kg Net (42-inch)

lotes:

-Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

-This equipment complies with the EMC standards listed below.

EN55013, EN61000-3-2, EN61000-3-3, EN55020, EN55022, EN55024.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

1. Applicable signals

Applicable input signal for Component (Y, P_B, P_R), HDMI and PC (D-sub 15P) (* Mark)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component	HDMI	PC
525 (480) / 60i	15.73	59.94	*	*	
525 (480) / 60p	31.47	59.94	*	*	
625 (576) / 50i	15.63	50.00	*	*	
625 (576) / 50p	31.25	50.00	*	*	
750 (720) / 60p	45.00	60.00	*	*	
750 (720) / 50p	37.50	50.00	*	*	
1,125 (1,080) / 60i	33.75	60.00	*	*	
1,125 (1,080) / 50i	28.13	50.00	*	*	
640 x 400 @70 Hz	31.46	70.07			*
640 x 480 @60 Hz	31.47	59.94			*
640 x 480 @75 Hz	37.50	75.00			*
800 x 600 @60 Hz	37.88	60.32			*
800 x 600 @75 Hz	46.88	75.00			*
800 x 600 @85 Hz	53.67	85.06			*
1,024 x 768 @60 Hz	48.36	60.00			*
1,024 x 768 @70 Hz	56.48	70.07			*
1,024 x 768 @75 Hz	60.02	75.03			*
1,024 x 768 @85 Hz	68.68	85.00			*
1,280 x 1,024 @60 Hz	63.98	60.02			*
Macintosh13” (640 x 480)	35.00	66.67			*
Macintosh16” (832 x 624)	49.72	74.54			*
Macintosh21” (1,152 x 870)	68.68	75.06			*

Note: Signals other than above may not be displayed properly.
The above signals are reformatted for optimal viewing on your display.

2. Safety Precautions

2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as

insulation barriers, insulation papers shields are properly installed.

3. **After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.**

2.2. Touch-Current Check

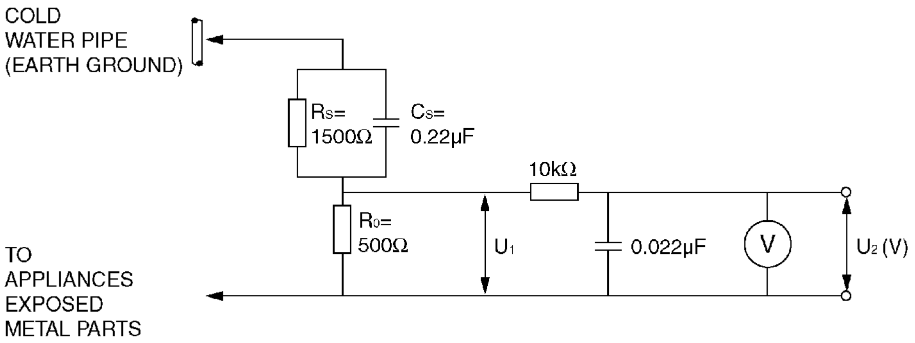
1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.**
3. **Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reserve the AC plug in the AC outlet and repeat each of the above measure.**
6. **The potential at any point (TOUGH CURRENT) expressed as voltage U_1 and U_2, does not exceed the following values:**
   For a. c.: $U_1 = 35$ V (peak) and $U_2 = 0.35$ V (peak);
   For d. c.: $U_1 = 1.0$ V,

Note:
The limit value of $U_2 = 0.35$ V (peak) for a. c. and $U_1 = 1.0$ V for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.
The limit value $U_1 = 35$ V (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz.

7. **In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

Figure 1

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

V: Voltmeter or oscilloscope
(r.m.s. or peak reading)

Input resistance: ≥ 1 MΩ
Input capacitance: ≤ 200 pF
Frequency range: 15 Hz to 1 MHz and d.c. respectively

NOTE - Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms.

3. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate**

electrical charges sufficient to damage ES devices.

6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   Caution

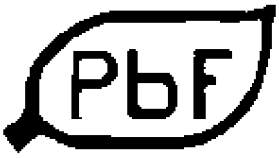
   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. **Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety. These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.
This model uses Pb Free solder in it's manufacture due to environmental conservation issues.
For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol



stamped on the back of PCB.

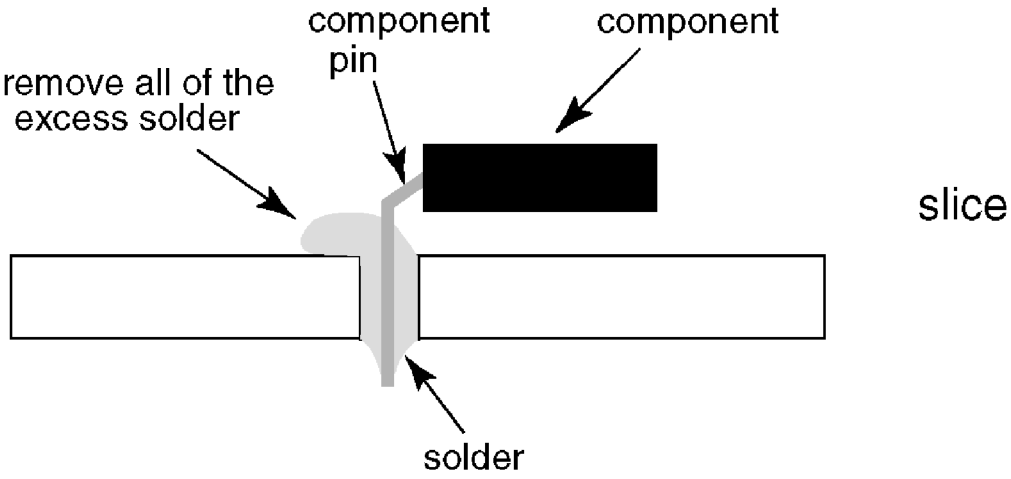
Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please

use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).

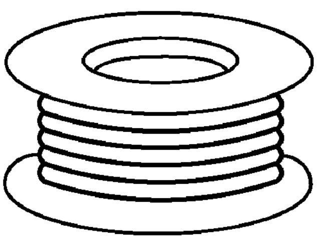
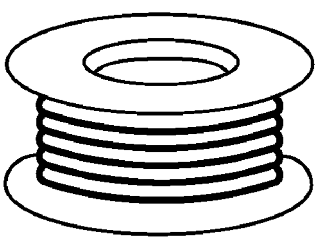
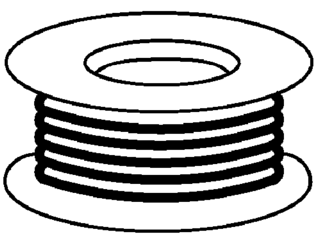
- **Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).**

  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- **After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)**



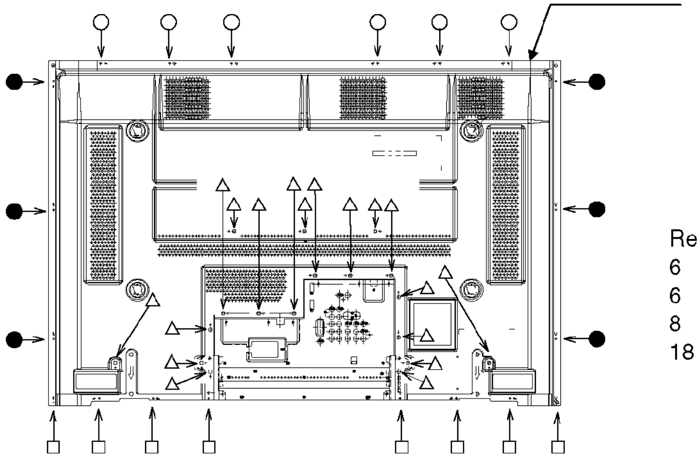
Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

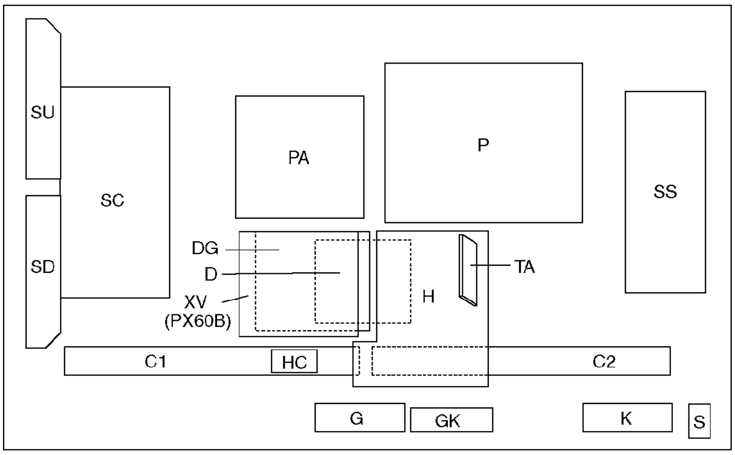
5. Service Hint

Remove the Back Cover



Remove:
6 screws (○) XYN4+F10FJK
6 screws (●) XYN4+F30FJK
8 screws (□) XTB4+12GFJK
18 screws (△) THEL0429

Service Position



Board Name	Function	Board Name	Function
P	**Power Supply**	**C1**	**Data Driver (Lower Right)**
PA	**DC-DC Converter, Speaker out, Audio AMP, / Fan Control**	**C2**	**Data Driver (Lower Left)**
		SC	**Scan Drive**
H	**AV Terminal, AV Switch, MSP**	**SU**	**Scan out (Upper)**
TA	**Tuner**	**SD**	**Scan out (Lower)**
DG	**Digital Signal Processor, Micom, HDMI Interface**	**SS**	**Sustain Drive**
XV	**D-TV Interface (PX60B only)**	**K**	**Remote receiver, Power LED**
D	**Format Converter, Plasma AI, Sub-Field Processor**	**S**	**Power Switch**
HC	**Jig Connection**	**G**	**Front Terminal**
		GK	**Key Switch**

6. Plasma panel replacement method

6.1. Remove the Back cover

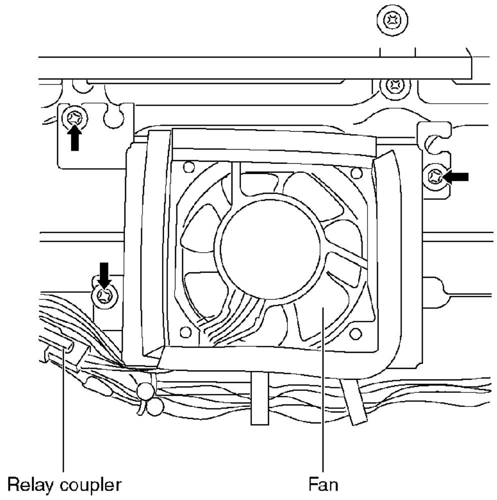
1. See Service Hint (Section 5)

6.2. Remove the fan

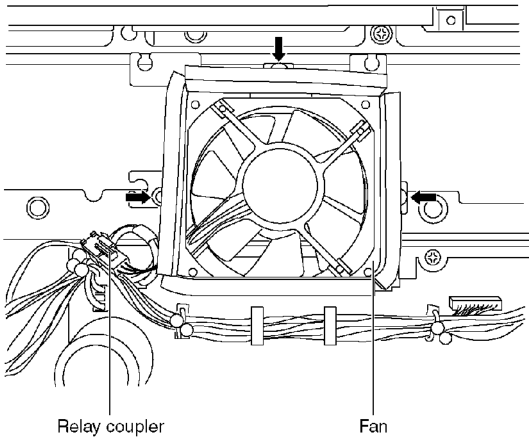
1. Disconnect the relay couplers.

2. Remove the screws (×3➡ each) and remove the fans.

· 37inch


Relay coupler
Fan

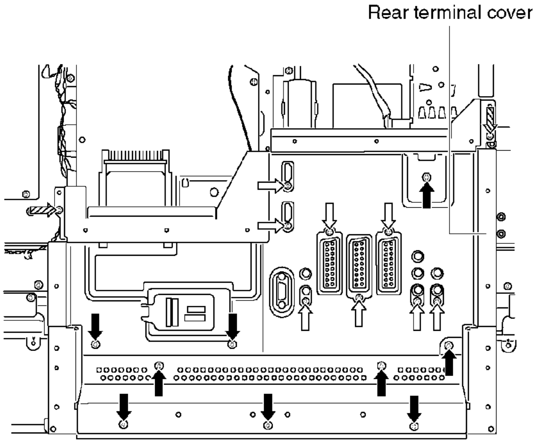
· 42inch


Relay coupler
Fan

6.3. Remove the rear terminal cover

1. Remove the screws (×9➡, ×8⇨, ×2 ▨➡).

2. Remove the rear terminal cover.


Rear terminal cover

6.4. Remove the P-Board

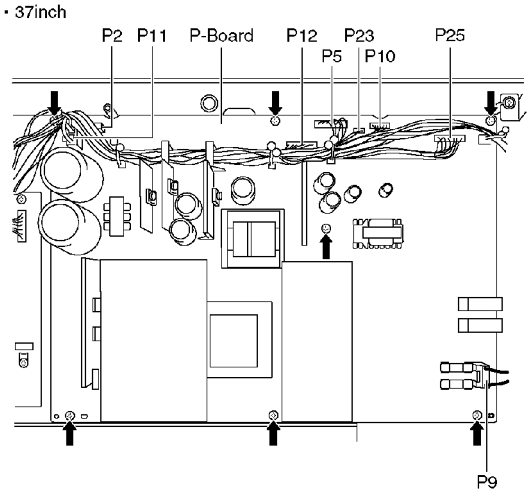
Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

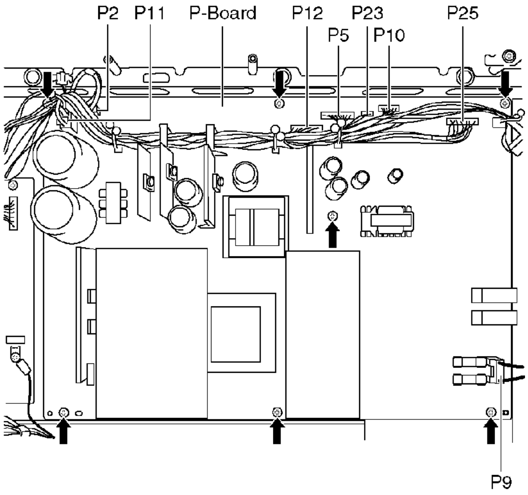
1. Unlock the cable clampers to free the cable.

2. Disconnect the couplers (P2, P5, P9, P10, P11, P12, P23, and P25).

3. Remove the screws (×7➡) and remove the P-Board.

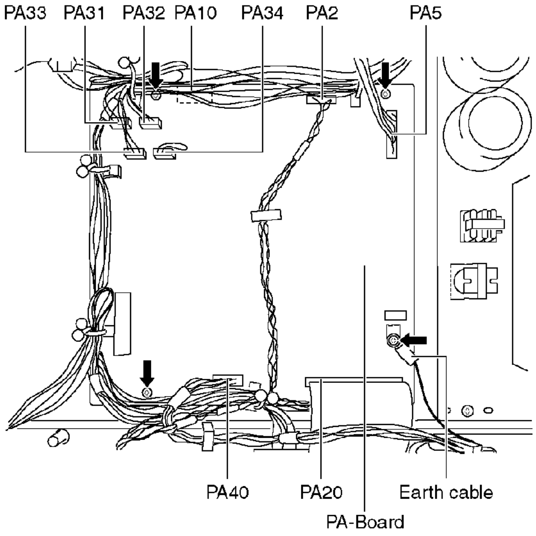

· 37inch
P2
P11
P-Board
P12
P23
P5
P10
P25
P9

• 42inch


P2
P11
P-Board
P12
P23
P5
P10
P25
P9

6.5. Remove the PA-Board

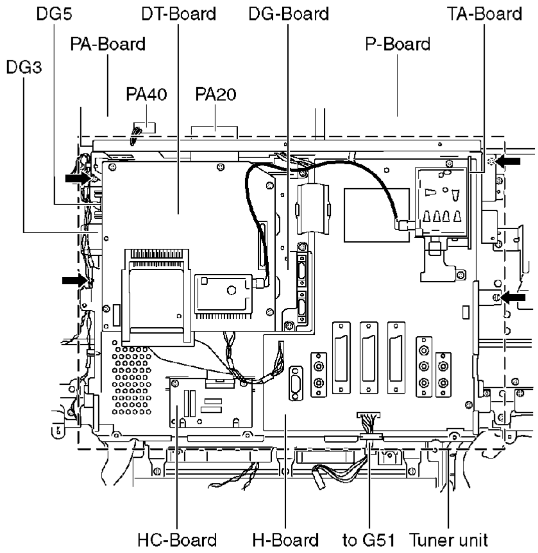
1. **Unlock the cable clampers to free the cable.**
2. **Disconnect the couplers (PA2, PA5, PA10, PA31, PA32, PA33, PA34 and PA40).**
3. **Disconnect the flexible cable (PA20).**
4. **Remove the screws (×4➡) and remove the earth cable.**
5. **Remove the PA-Board.**


PA33
PA31
PA32
PA10
PA34
PA2
PA5
PA40
PA20
Earth cable
PA-Board

6.6. Remove the tuner unit

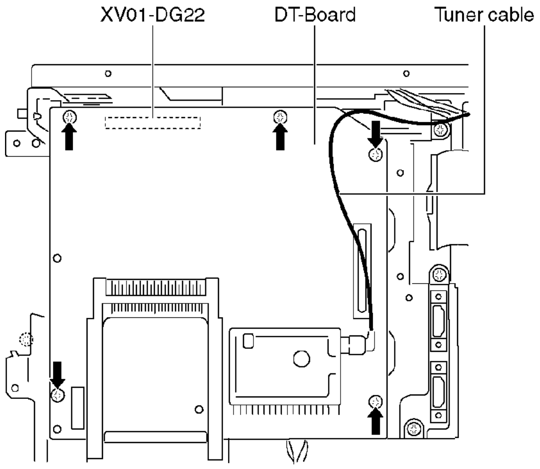
1. **Unlock the cable clampers to free the cable.**
2. **Disconnect the couplers (DG5, G51 and PA40).**
3. **Disconnect the flexible cables (DG3 and PA20).**

4. **Remove the screws (×4➡) remove the tuner unit.**


DG5
DT-Board
DG-Board
TA-Board
PA-Board
P-Board
DG3
PA40
PA20
HC-Board
H-Board
to G51
Tuner unit

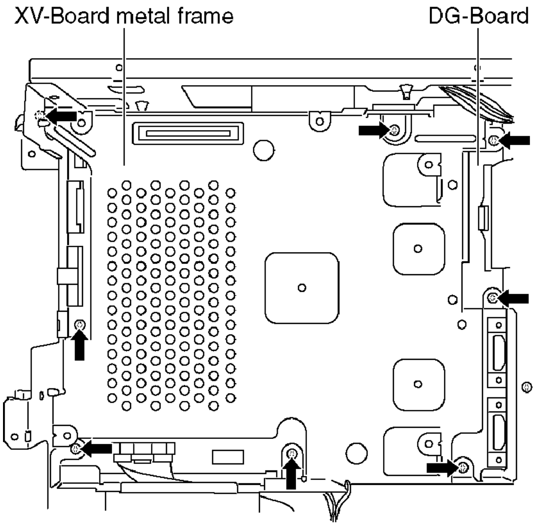
6.7. Remove the XV-Board (PX60B)

1. **Unlock the cable clampers to free the cable.**
2. **Disconnect the tuner cable.**
3. **Remove the screws (×5➡) remove the XV-Board.**
   (Be careful the couplers (XV01-DG22) when remove the XV-Board.)


XV01-DG22
DT-Board
Tuner cable

6.8. Remove the DG-Board

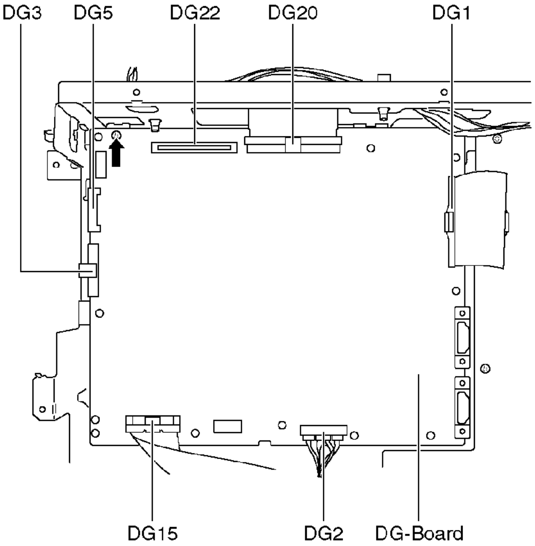
1. **Remove the XV-Board (PX60B). (See section 6.7.)**
2. **Remove the screws (×8➡) and remove the XV-Board metal frame (PX60B).**


XV-Board metal frame
DG-Board

3. Disconnect the coupler (DG2).

4. Disconnect the flexible cables (DG1, DG15 and DG20).

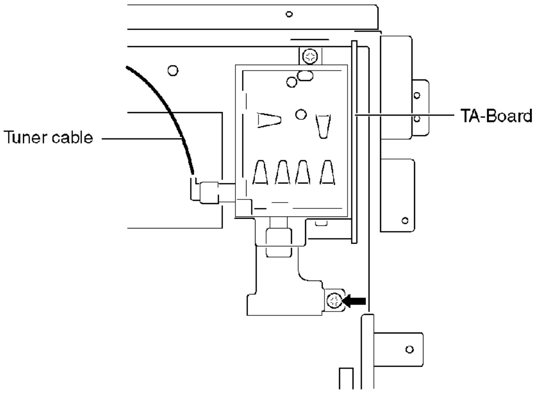
5. Remove the screw (×1➡) remove the DG-Board.


DG3
DG5
DG22
DG20
DG1
DG15
DG2
DG-Board

6.9. Remove the TA-Board

1. Disconnect the tuner cable.

2. Remove the screw (×1➡) and remove the TA-Board.


Tuner cable
TA-Board

6.10. Remove the H-Board

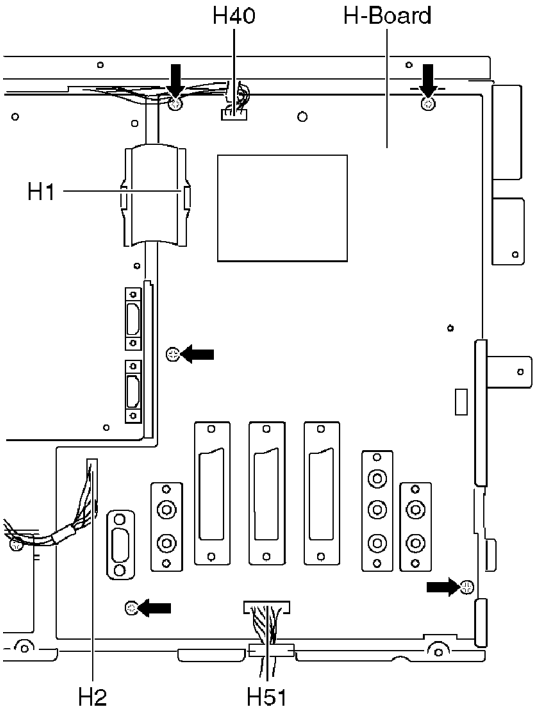
1. Remove the TA-Board.

2. Unlock the cable clampers to free the cable.

3. Disconnect the couplers (H2, H40 and H51).

4. Disconnect the flexible cable (H1).

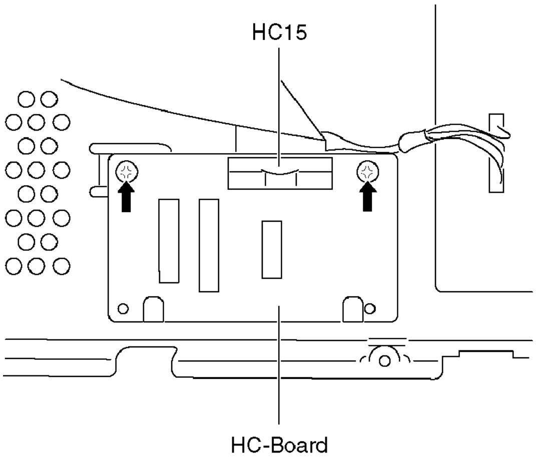
5. Remove the screws (×5➡) and remove the H-Board.


H40
H-Board
H1
H2
H51

6.11. Remove the HC-Board

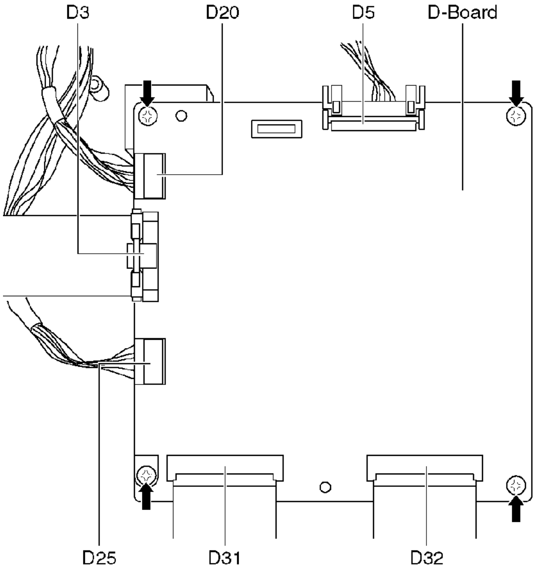
1. Disconnect the flexible cable (HC15).

2. Remove the screws (×2➡) and remove the HC-Board.



6.12. Remove the D-Board

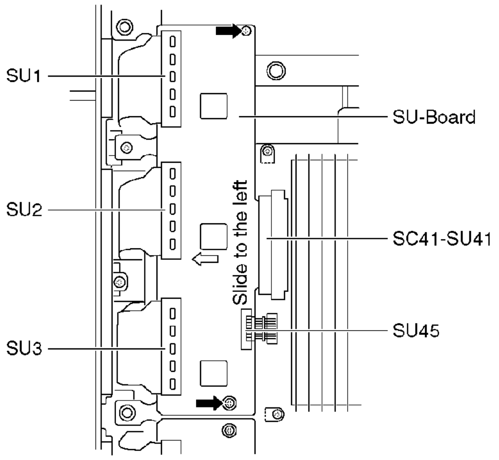
1. Remove the tuner unit. (See section 6.6.)
2. Disconnect the couplers (D5, D20 and D25).
3. Disconnect the flexible cables (D3, D31 and D32).
4. Remove the screws (×4➡) and remove the D-Board.



6.13. Remove the SU-Board (37inch)

1. Remove the screws (×2➡).
2. Remove the flexible cables (SU1, SU2 and SU3) and remove the bridge connector (SU45).
3. Slide the SU-Board to the left to disconnect from a coupler (SC41-SU41) on the SC-Board and remove the SU-Board.

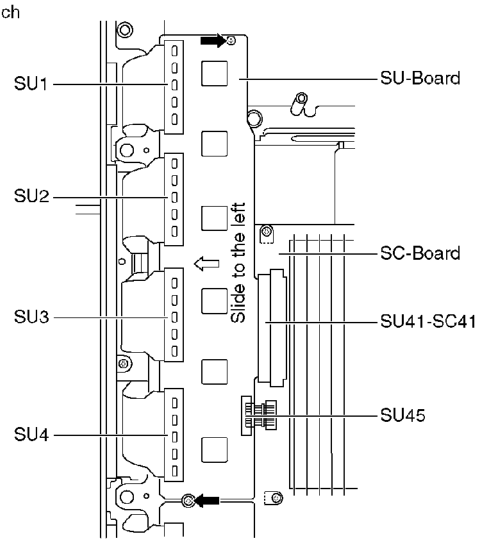
・37inch


SU1
SU-Board
SU2
Slide to the left
SC41-SU41
SU45
SU3

6.14. Remove the SU-Board (42inch)

1. **Remove the screws (×2➡).**
2. **Remove the flexible cables (SU1, SU2, SU3 and SU4) and remove the bridge connector (SU45).**
3. **Slide the SU-Board to the left to disconnect from a coupler (SC41-SU41) on the SC-Board and remove the SU-Board.**

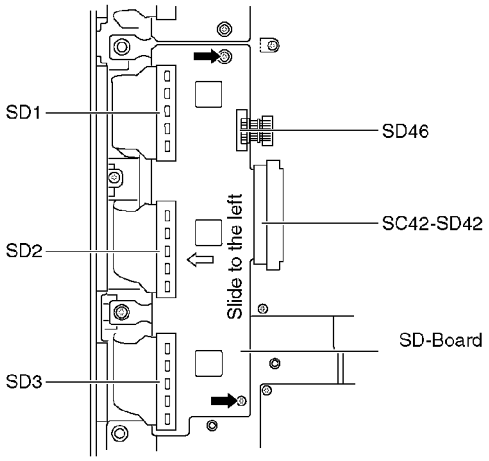
・42inch


SU1
SU-Board
SU2
Slide to the left
SC-Board
SU3
SU41-SC41
SU45
SU4

6.15. Remove the SD-Board (37inch)

1. **Remove the screws (×2➡).**
2. **Remove the flexible cables (SD1, SD2 and SD3) and remove the bridge connector (SD46).**
3. **Slide the SD-Board to the left to disconnect from a coupler (SC42-SD42) on the SC-Board and remove the SD-Board.**

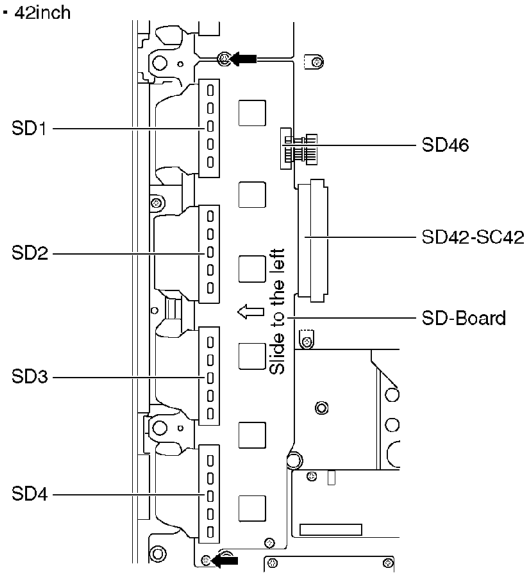
· 37inch


SD1
SD2
SD3
SD46
SC42-SD42
SD-Board
Slide to the left

6.16. Remove the SD-Board (42inch)

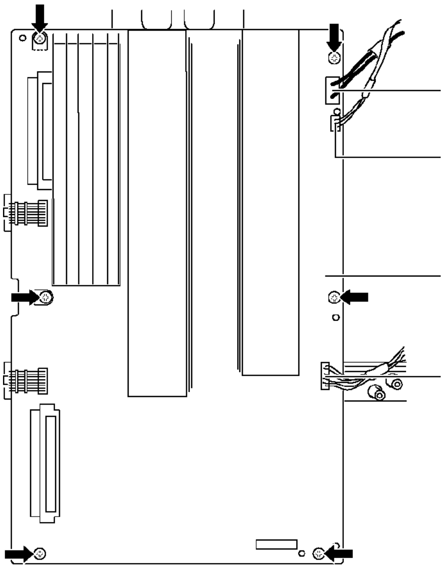
1. **Remove the screws (×2➡).**
2. **Remove the flexible cables (SD1, SD2, SD3 and SD4) and remove the bridge connector (SD46).**
3. **Slide the SD-Board to the left to disconnect from a coupler (SC42-SD42) on the SC-Board and remove the SD-Board.**

· 42inch


SD1
SD2
SD3
SD4
SD46
SD42-SC42
SD-Board
Slide to the left

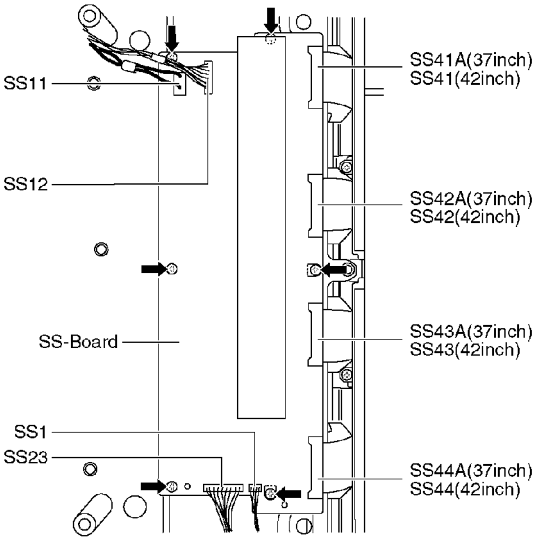
6.17. Remove the SC-Board

1. **Unlock the cable clampers to free the cable.**
2. **Disconnect the couplers (SC2, SC20 and SC23).**
3. **Remove the screws (×6➡) and remove the SC-Board.**


SC2
SC23
SC-Board
SC20

6.18. Remove the SS-Board

1. **Disconnect the couplers (SS1, SS11, SS12 and SS23).**
2. **Disconnect the flexible cables (SS41A, SS42A, SS43A and SS44A) (37inch).**
   Disconnect the flexible cables (SS41, SS42, SS43 and SS44) (42inch).
3. **Remove the screws (×6➡) and remove the SS-Board.**


SS11
SS12
SS-Board
SS1
SS23
SS41A(37inch)
SS41(42inch)
SS42A(37inch)
SS42(42inch)
SS43A(37inch)
SS43(42inch)
SS44A(37inch)
SS44(42inch)

6.19. Remove the C1-Board

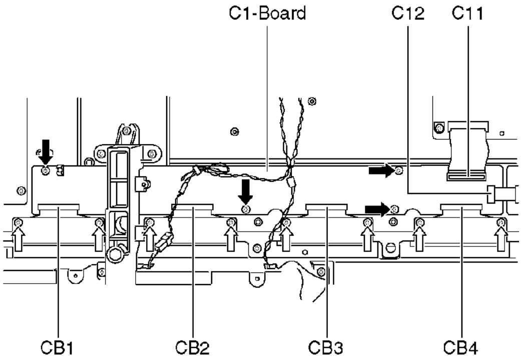
1. **Remove the tuner unit. (See section 6.6.)**
2. **Unlock the cable clampers to free the cable.**
3. **Remove the flexible cables holder fastening screws (×8⇨).**

4. Disconnect the flexible cables (CB1, CB2, CB3 and CB4).

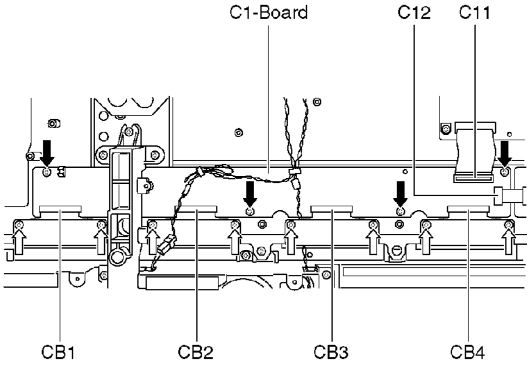
5. Disconnect the flexible cables (C11 and C12).

6. Remove the screws (×4➡) and remove the C1-Board.

- 37inch


C1-Board
C12
C11
CB1
CB2
CB3
CB4

- 42inch


C1-Board
C12
C11
CB1
CB2
CB3
CB4

6.20. Remove the C2-Board

1. Remove the tuner unit. (See section 6.6.)

2. Unlock the cable clampers to free the cable.

3. Remove the flexible cables holder fastening screws (×8⇨).

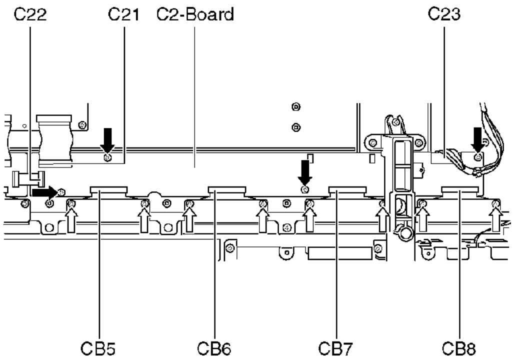
4. Disconnect the flexible cables (CB5, CB6, CB7 and CB8).

5. Disconnect the flexible cables (C21 and C22).

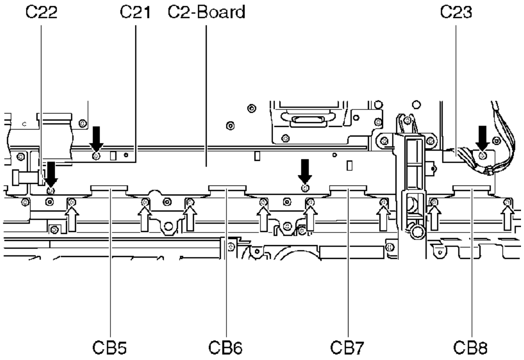
6. Disconnect the coupler (C23).

7. Remove the screws (×4➡) and remove the C2-Board.

- 37inch


C22
C21
C2-Board
C23
CB5
CB6
CB7
CB8

- 42inch

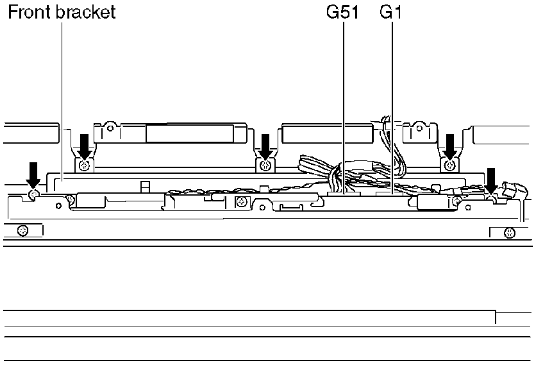

C22
C21
C2-Board
C23
CB5
CB6
CB7
CB8

6.21. Remove the front bracket

1. Unlock the cable clampers to free the cable.

2. Disconnect the couplers (G1 and G51).

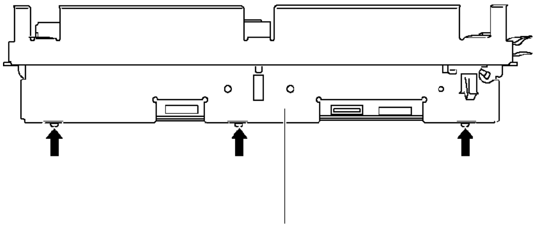
3. Remove the screws (×5➡) and remove the front bracket.


Front bracket
G51
G1

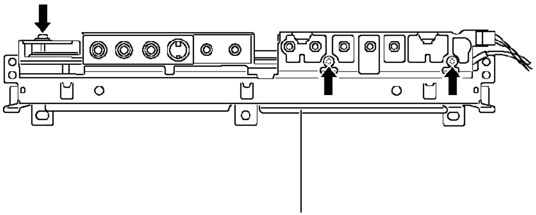
6.22. Remove the G-Board and GK-Board

1. Remove the front bracket. (See section 6.21.)

2. Remove the screws (×3➡) and remove the metal cover.

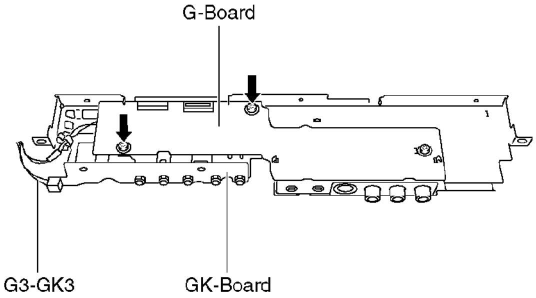

metal cover

3. Remove the screws (×3➡) and remove the front side metal frame.


Front side metal frame

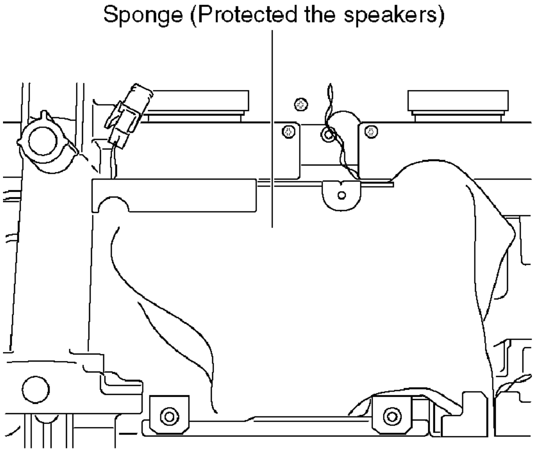
4. Remove the screws (×3➡) and disconnect the couplers (G3-GK3).

5. Remove the G-Board and GK-Board.


G-Board
G3-GK3
GK-Board

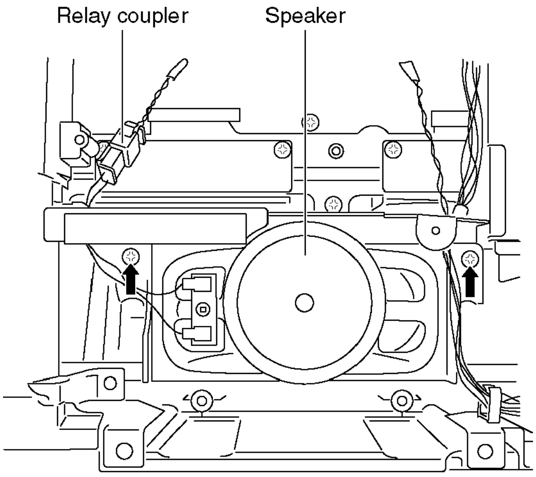
6.23. Remove the speaker L, R

1. Remove the sponge


Sponge (Protected the speakers)

2. Disconnect the relay couplers

3. Remove the screws (×2➡ each) and remove the speaker L, R.

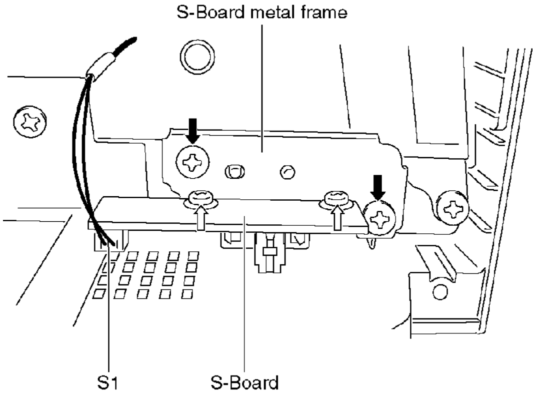

Relay coupler
Speaker

6.24. Remove the S-Board

1. Disconnect the coupler (S1).

2. Remove the screws (×2➡) and remove the S-Board metal frame.

3. Remove the screws (×2⇨) and remove the S-Board.

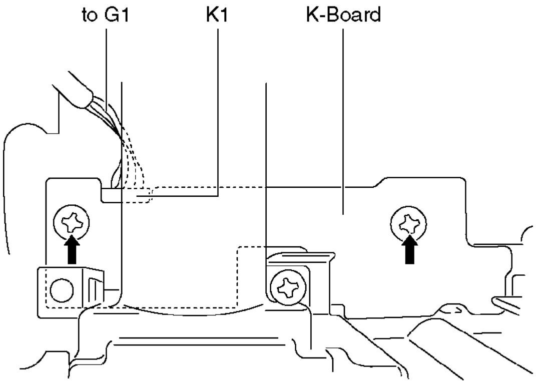

S-Board metal frame
S1
S-Board

6.25. Remove the K-Board

1. Unlock the cable clampers to free the cable.

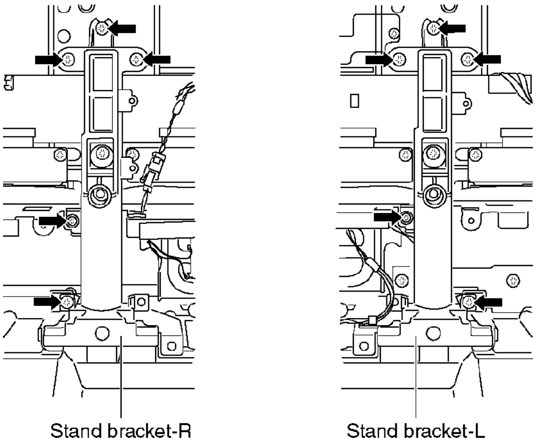
2. Disconnect the coupler (G1). (See section 6.21.)

3. Remove the screws (×2➡) and remove the K-Board.



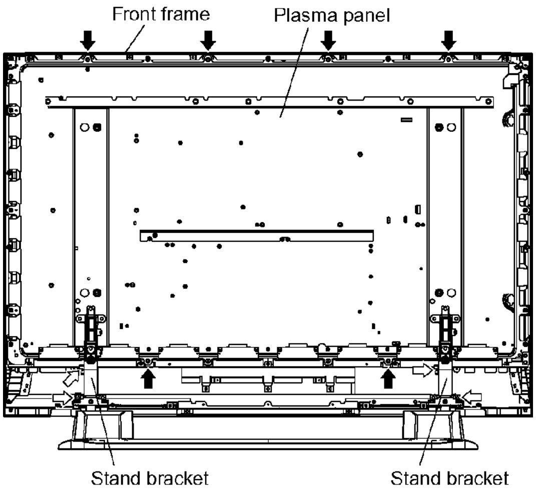
6.26. Remove the stand brackets

1. **Remove the plasma panel section from the servicing stand and lay on a fiat surface such as a table (covered) with the plasma panel surface facing downward.**
2. **Remove the stand brackets (left, right) fastening screws (×5➡ each) and remove the stand brackets (left, right).**

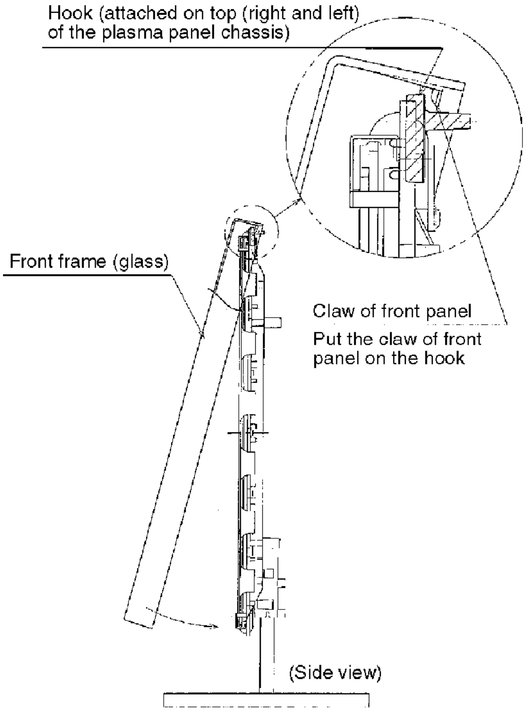


6.27. Remove the Plasma panel section from the Front frame (glass)

1. **Remove the front frame and the plasma panel fastening screws (×6 ➡).**
2. **Remove the front frame and the stand brackets fastening screws (× 4⇨).**


Front frame
Plasma panel
Stand bracket
Stand bracket

3. For leaving the plasma panel from the front frame, pull the bottom of the front frame forward, lift, and remove.


Hook (attached on top (right and left) of the plasma panel chassis)
Front frame (glass)
Claw of front panel
Put the claw of front panel on the hook
(Side view)

6.28. Replace the plasma panel (finished)

1. Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.
2. Attach the C1-Board and the C2-Board, connect the flexible cables (×8) from the Plasma panel to the C1-Board and the C2-Board, and fit the flexible cable holders.

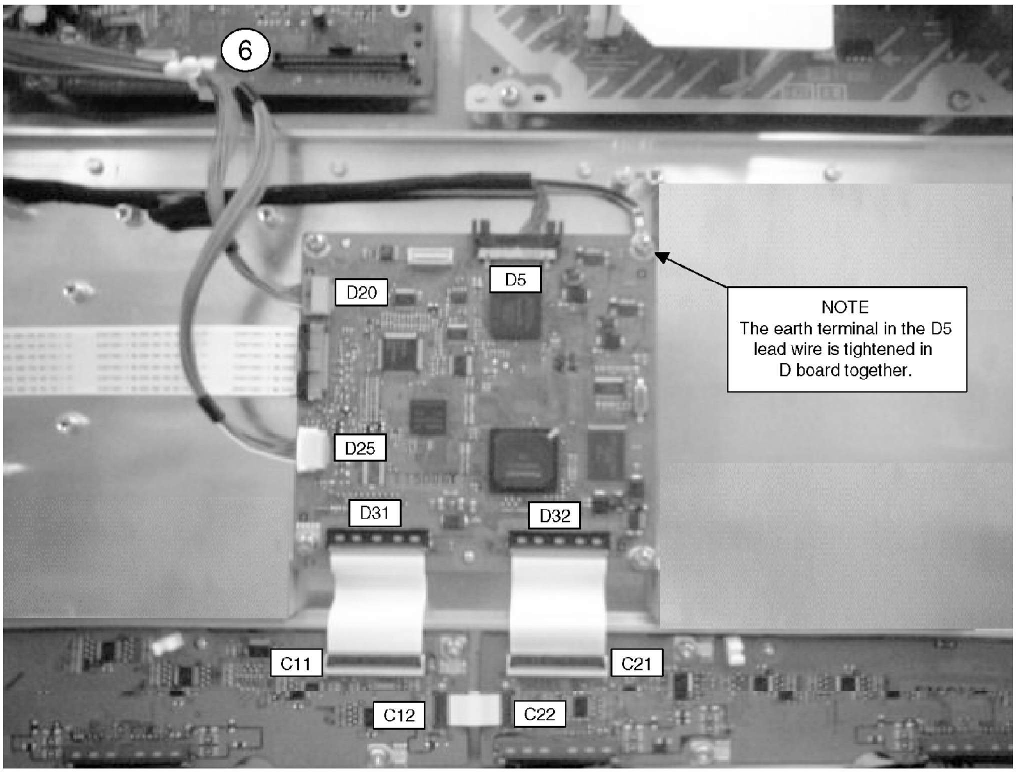
3. **Attach the Hooks (left, right) and fit the stand brackets (L, R) to the new plasma panel.**
4. **Place the plasma panel section on the servicing stand.**
5. **Attach the front frame and each P.C.Board and so on, to the new plasma panel.**
   *** When fitting the front frame, be careful to allow any debris, dust or handling residue to remain between the front glass and plasma panel.**

7. Location of Lead Wiring

7.1. Lead of Wiring (1)

The wire is dressed as shown in figure.

NOTE: The earth terminal in the D5 lead wire is tightened in D board together.



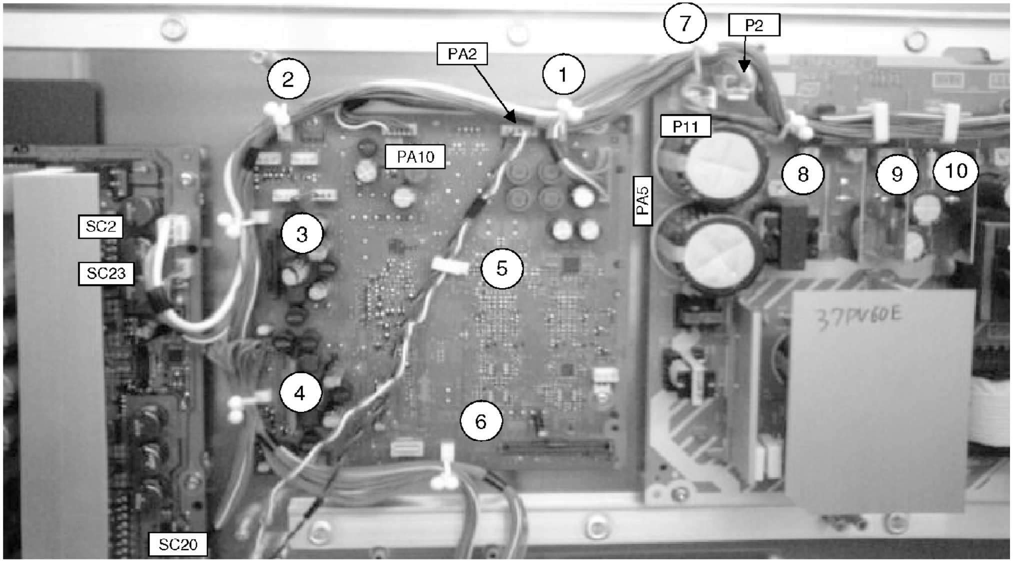
NOTE
The earth terminal in the D5 lead wire is tightened in D board together.

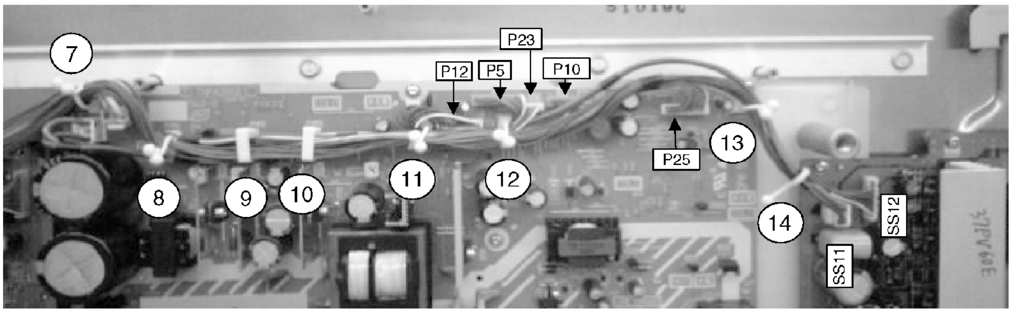
Connector No.	⑥				
D5 - DG5					
D20 - SC20	○				
D25 - P25	○				
D31 - C11					
D32 - C21					
C12 - C22					

7.2. Lead of Wiring (2)

TH-37PV60E, TH-37PX60B

The wire is dressed as shown in figure.


7
P2
PA2
2
1
P11
PA10
8
9
10
SC2
3
PA5
SC23
5
37PV60E
4
6
SC20

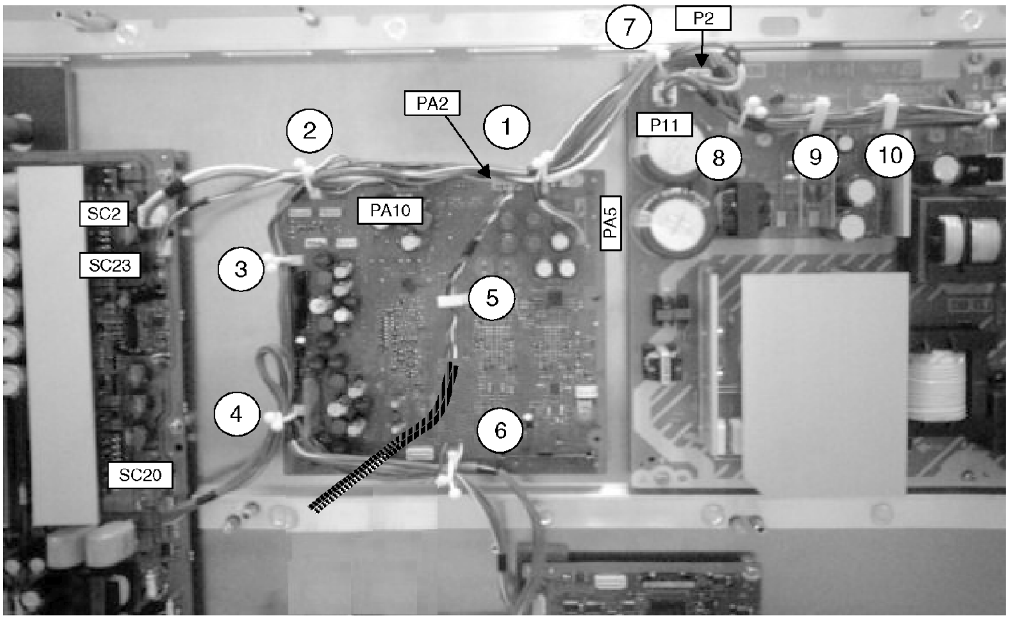

7
P23
P12
P5
P10
13
P25
8
9
10
11
12
14
SS12
SS11

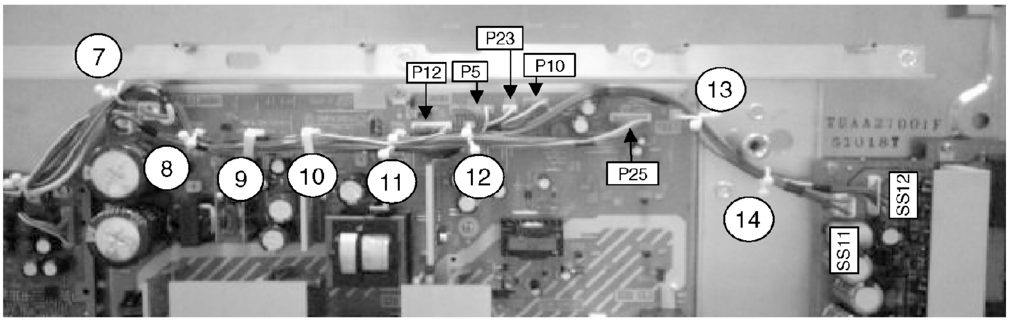
Connector No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
SC2 - P2	○	○					○							
SC23 - P23	○	○					○	○	○	○	○	○		
SC20 - D20				○		○								
PA2 - RELAY					○									
PA5 - P5	○						○	○	○	○	○	○		
PA10 - P10	○						○	○	○	○	○	○		
P11 - SS11								○	○	○	○	○	○	○
P12 - SS12											○	○	○	○
P25 - D25	○	○	○	○		○	○	○	○	○	○	○		

7.3. Lead of Wiring (3)

TH-42PV60E, TH-42PX60B

The wire is dressed as shown in figure.

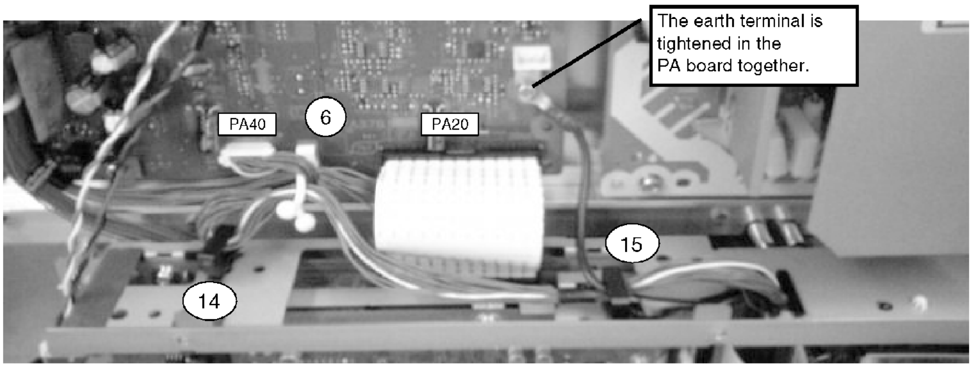

7
P2
PA2
1
2
P11
8
9
10
SC2
PA10
PA5
SC23
3
5
4
6
SC20

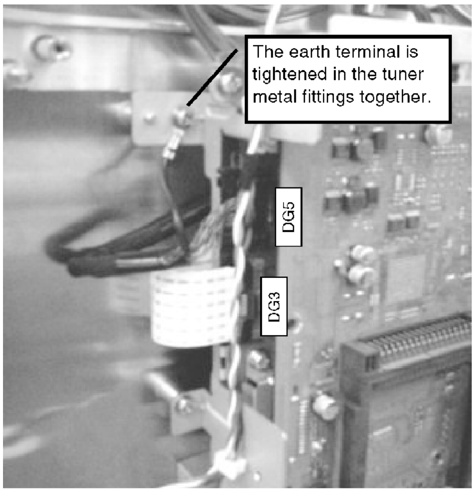

7
P23
P12
P5
P10
13
8
9
10
11
12
P25
SS12
14
SS11

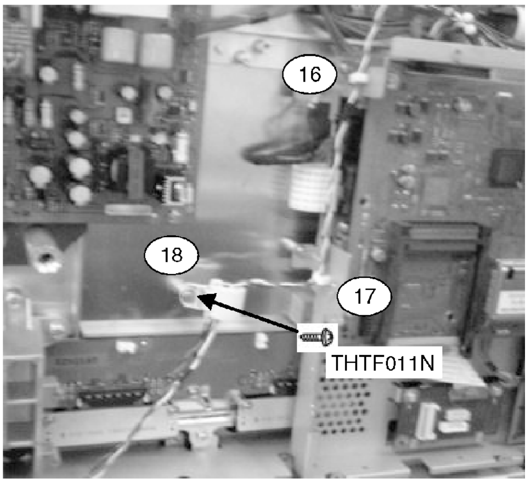
Connector No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
SC2 - P2	○	○					○							
SC23 - P23	○	○					○	○	○	○	○	○		
SC20 - D20				○		○								
PA2 - RELAY					○									
PA5 - P5	○						○	○	○	○	○	○		
PA10 - P10	○						○	○	○	○	○	○		
P11 - SS11								○	○	○	○	○	○	○
P12 - SS12												○	○	○
P25 - D25	○	○	○	○		○	○	○	○	○	○	○		

7.4. Lead of Wiring (4)

The wire is dressed as shown in figure.


The earth terminal is tightened in the PA board together.
PA40
6
PA20
15
14

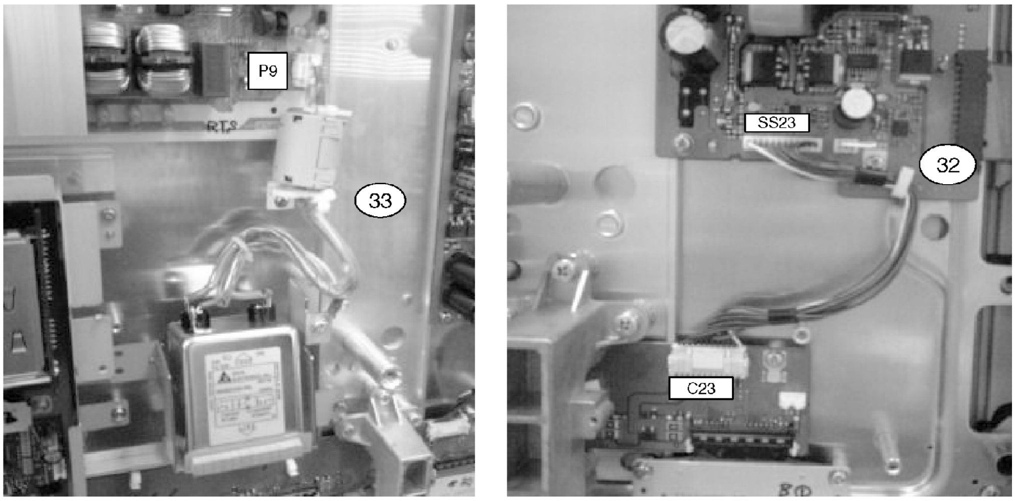

The earth terminal is tightened in the tuner metal fittings together.
DG5
DG3


16
18
17
THTF011N

Connector No.	⑥		⑭	⑮	⑯	⑰	⑱	
PA40 - H40	○		○	○				
DG3 - D3								
DT10 - GS52						○	○	
PA2 - RELAY					○	○	○	

7.5. Lead of Wiring (5)

The wire is dressed as shown in figure.

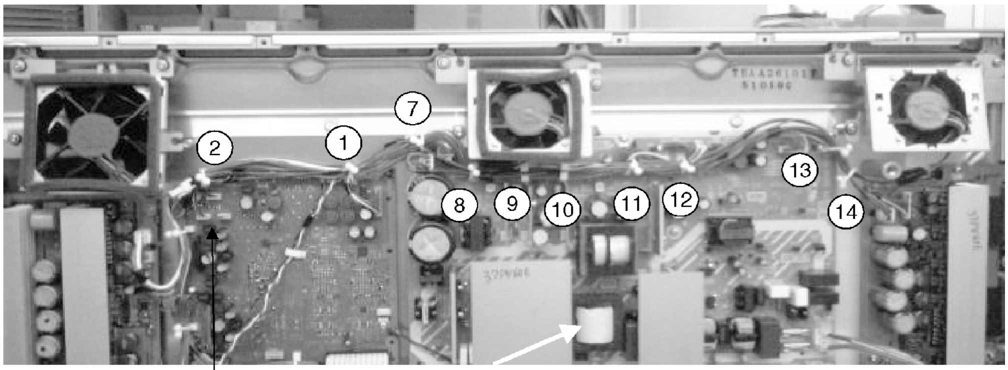

P9
33
SS23
32
C23

Connector No.	㉜	㉝						
SC2 - P2		○						
SC23 - P23	○							

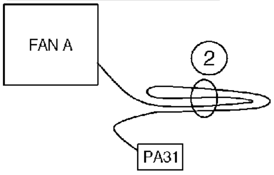
7.6. Lead of Wiring (6)

TH-37PV60E, TH-37PX60B

The wire is dressed as shown in figure.


7
2
1
13
8
9
10
11
12
14

Dress the FAN A lead wire as shown in figure.

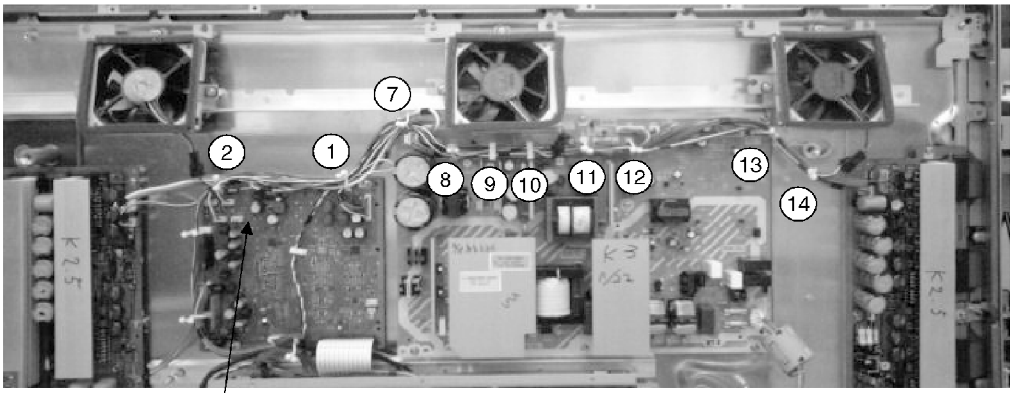


Connector No.	②	①		⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	
FAN A - PA31	○											
FAN B - PA32	○	○		○	○							
FAN C - PA33	○	○		○	○	○	○	○	○	○	○	

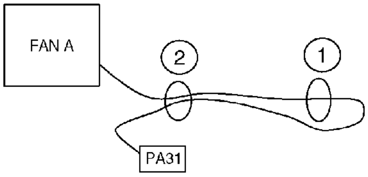
7.7. Lead of Wiring (7)

TH-42PV60E, TH-42PX60B

The wire is dressed as shown in figure.


7
2
1
8
9
10
11
12
13
14

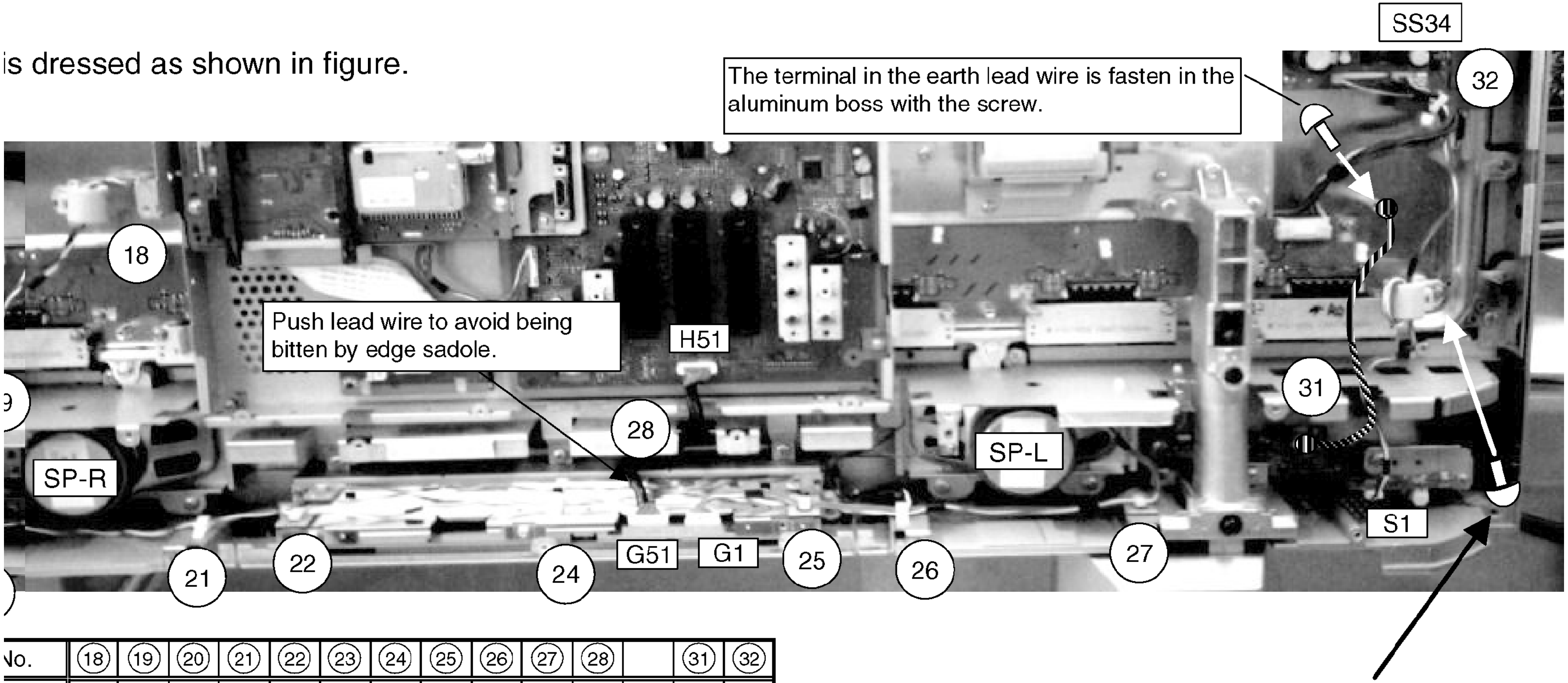
Dress the FAN A lead wire as shown in figure.


FAN A
2
1
PA31

Connector No.	②	①		⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	
FAN A - PA31	○											
FAN B - PA32	○	○		○	○	○	○					
FAN C - PA33	○	○		○	○	○	○	○	○	○	○	

7.8. Lead of Wiring (8)

is dressed as shown in figure.

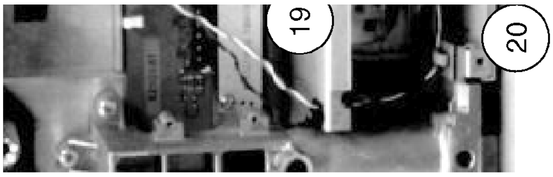

The terminal in the earth lead wire is fasten in the aluminum boss with the screw.

Push lead wire to avoid being bitten by edge sadole.

SS34
32
18
H51
31
28
SP-R
SP-L
S1
G51
G1
21
22
24
25
26
27
THTF011N

No.	⑱	⑲	⑳	㉑	㉒	㉓	㉔	㉕	㉖	㉗	㉘		㉛	㉜
SP-R	○	○	○											
SP-L	○	○	○	○	○		○	○	○					
G51											○			
G1								○	○	○				
SS34													○	○
GND														

The wire is

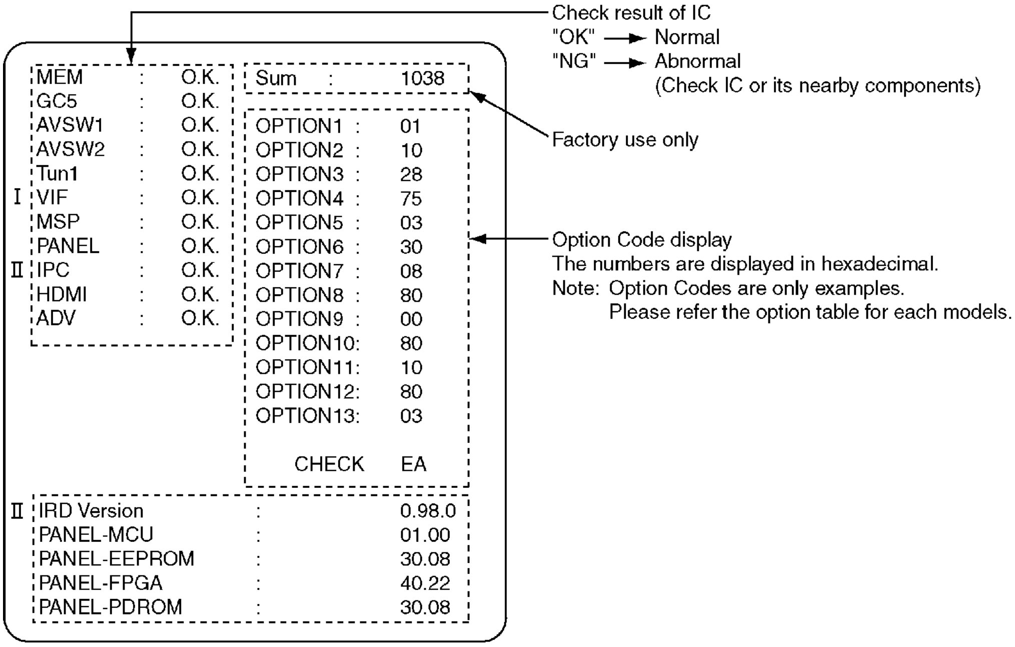


Connector N
PA2 - S
PA2 - S
H51 - C
K1 -
S1 - S
KPRINT G

8. Self Check

1. **Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.**

2. **To get into the Self -Check mode press the Down (–/∨) button on the customer controls at the front of the set, at the same time pressing the Information button on the remote control, and the screen will show :**



```
  MEM       :  O.K.    Sum      :     1038
  GC5       :  O.K.
  AVSW1     :  O.K.    OPTION1 :   01
  AVSW2     :  O.K.    OPTION2 :   10
  Tun1      :  O.K.    OPTION3 :   28
I VIF       :  O.K.    OPTION4 :   75
  MSP       :  O.K.    OPTION5 :   03
  PANEL     :  O.K.    OPTION6 :   30
II IPC      :  O.K.    OPTION7 :   08
  HDMI      :  O.K.    OPTION8 :   80
  ADV       :  O.K.    OPTION9 :   00
                       OPTION10:   80
                       OPTION11:   10
                       OPTION12:   80
                       OPTION13:   03

                          CHECK    EA

II IRD Version            :        0.98.0
  PANEL-MCU               :        01.00
  PANEL-EEPROM            :        30.08
  PANEL-FPGA              :        40.22
  PANEL-PDROM             :        30.08
```

Check result of IC
"OK" → Normal
"NG" → Abnormal
(Check IC or its nearby components)

Factory use only

Option Code display
The numbers are displayed in hexadecimal.
Note: Option Codes are only examples.
Please refer the option table for each models.

I : PV60B only
II : PX60B only

If the CCU ports have been checked and found to be incorrect or not located then “--” will appear in place of “O.K.”.

Display	Ref.No.	Description	Board
MEM	IC1102	EEPROM	DG-Board
GC5	IC4037	GC5 Processor	DG-Board
AVSW1	IC3005	Video SW	H-Board
AVSW2	IC2105	Audio SW	H-Board
Tun1	TU001	Tuner	TA-Board
VIF	-	-	-
MSP	IC2106	Multi Sound Processor	H-Board
PANEL	IC9003	Convert Micon	D-Board
IPC	IC8013	PEAKS Lite	XV-Board
HDMI	IC4026	HDMI I/F Receiver	DG-Board
ADV	IC4019	10bit A/D	DG-Board

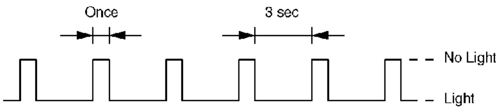
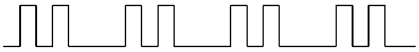
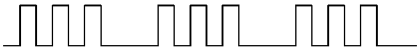
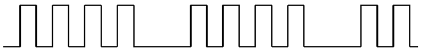
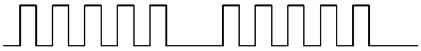
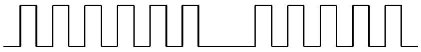
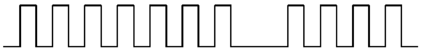
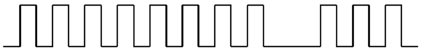
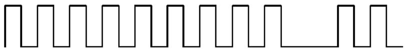
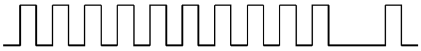
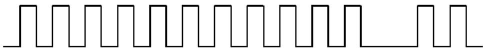
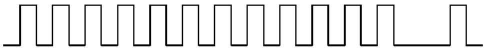
8.1. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on the front panel of the unit.

Blinking Times	Blinking timing	Contents	Check point
1	 Once 3 sec No Light Light	No particalar check point	-
2		12V SOS	D-Board
3		3.3V SOS	D-Board
4		Power SOS	P-Board
5		5V SOS	D-Board
6		Driver SOS1 (SC Energy recovery circuit)	SU-Board SD-Board SC-Board
7		Driver SOS2 (SC floating voltage area)	SU-Board SD-Board SS-Board
8		Driver SOS3 (SS Energy recovery circuit)	SS-Board
9		Panel Status	-
10		PA SOS Tuner SOS	PA-Board H-Board
11		Fan SOS	Fan
12		Sound SOS	PA-Board

8.2. No Power

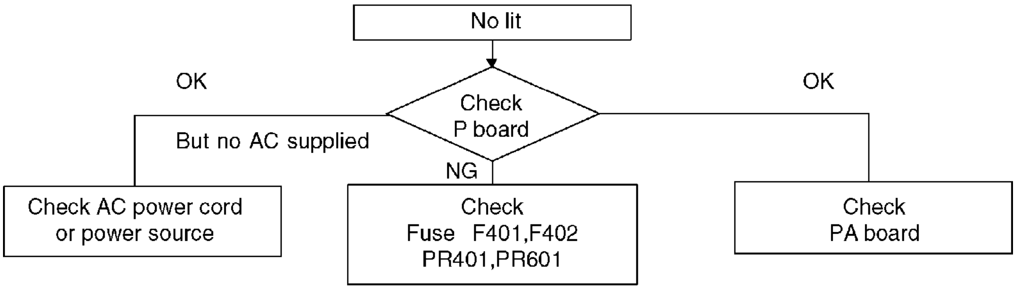
[First check point]

There are following 3 states of No Power indication by power LED.

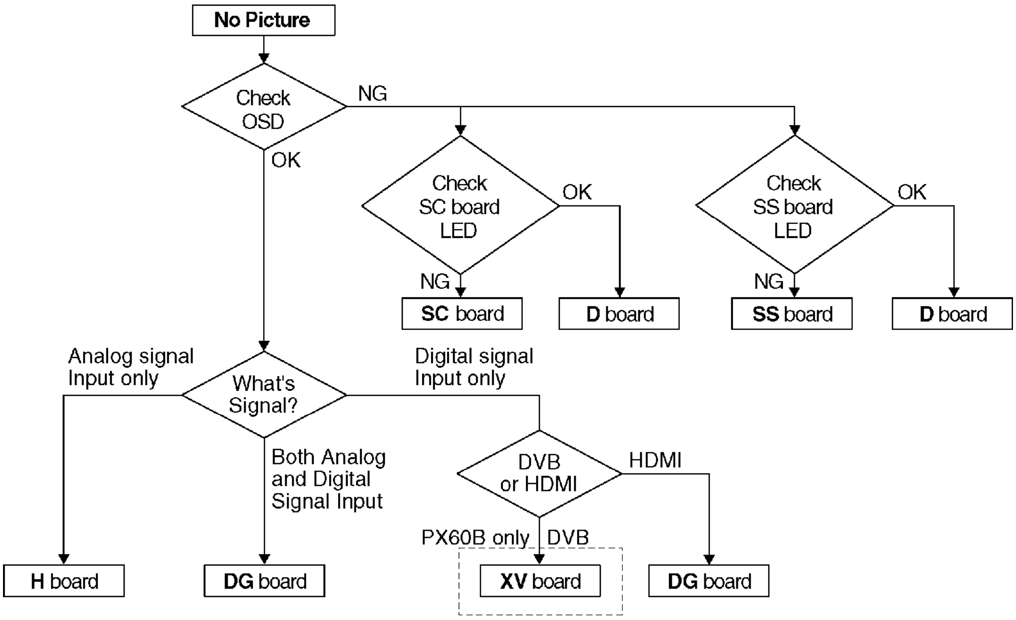
1. No lit

2. Green is lit then turns red blinking a few seconds later.

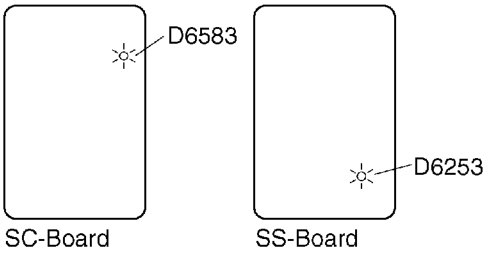
3. Only red is lit.


No lit
OK
Check
P board
OK
But no AC supplied
NG
Check AC power cord
or power source
Check
Fuse F401,F402
PR401,PR601
Check
PA board

8.3. No Picture


No Picture
Check OSD
NG
OK
Check SC board LED
OK
NG
SC board
D board
Check SS board LED
OK
NG
SS board
D board
Analog signal Input only
What's Signal?
Digital signal Input only
Both Analog and Digital Signal Input
DVB or HDMI
HDMI
PX60B only
DVB
H board
DG board
XV board
DG board

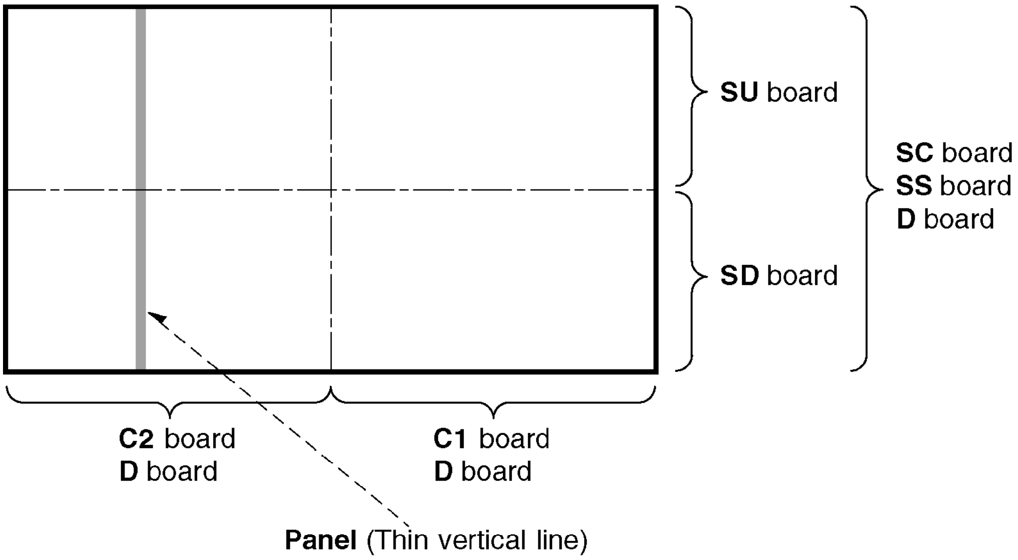
Drive circuits LED indicator


D6583
D6253
SC-Board
SS-Board

8.4. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.

Fig-1


SU board
SD board
SC board
SS board
D board
C2 board
D board
C1 board
D board
Panel (Thin vertical line)

<Local screen failure chart>

9. Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Mode.

9.1. How to enter SERVICE 1

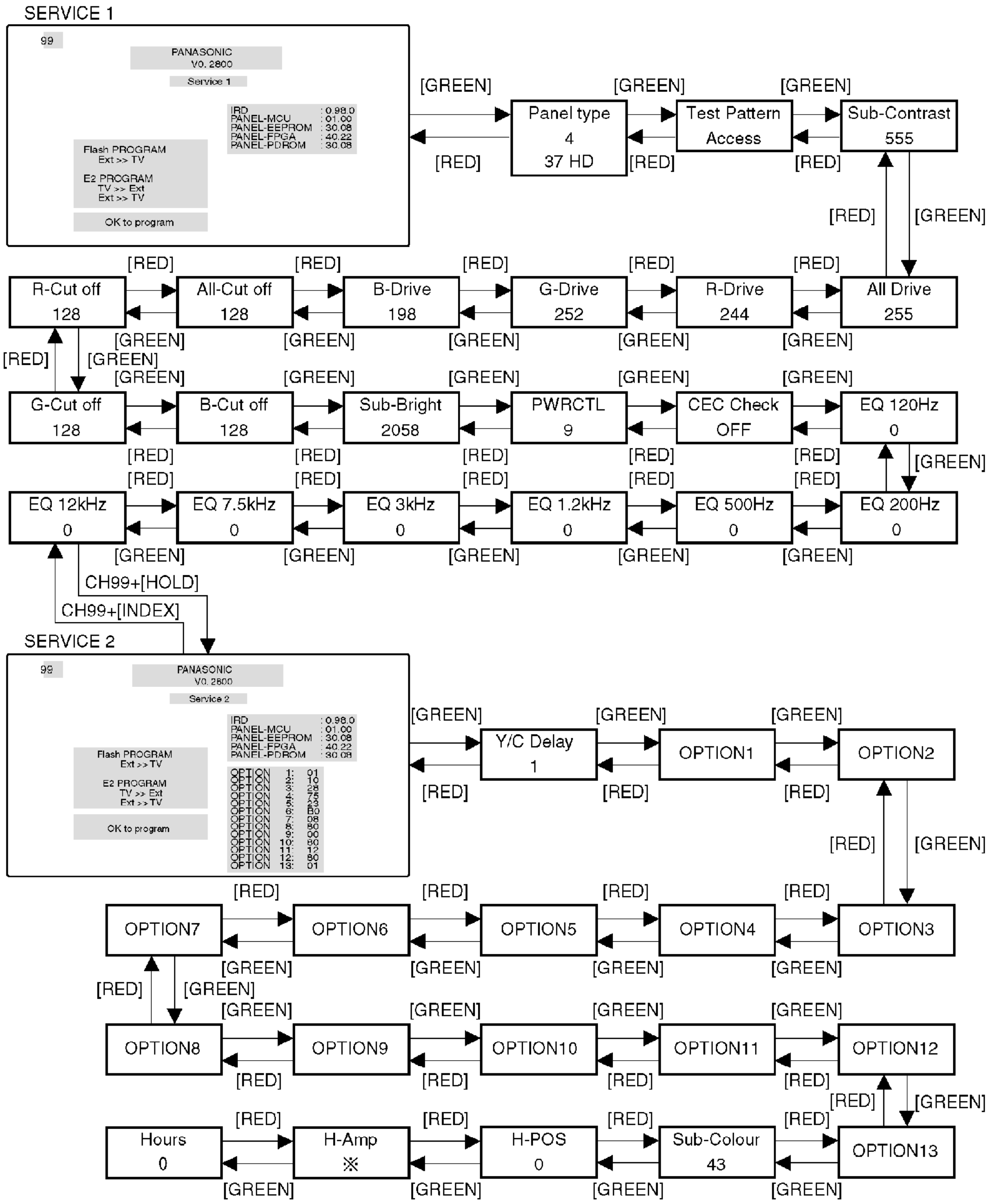
1. **In sound menu, set BASS to MAXIMUM, and set TREBLE to MINIMUM.**
2. **Simultaneously press INDEX button on remote control and DOWN button [—/∨] on the TV set.**

9.2. How to enter SERVICE 2

1. **Set the channel to CH99.**
2. **Select the EQ 12kHz.**
3. **Press HOLD button on remote control.**

Note:

To exit to Service mode, press EXIT or Power button on remote control.


SERVICE 1
99
PANASONIC
V0. 2800
Service 1
IRD : 0.98.0
PANEL-MCU : 01.00
PANEL-EEPROM : 30.08
PANEL-FPGA : 40.22
PANEL-PDROM : 30.08
Flash PROGRAM
Ext >> TV
E2 PROGRAM
TV >> Ext
Ext >> TV
OK to program
[GREEN]
[RED]
Panel type
4
37 HD
Test Pattern
Access
Sub-Contrast
555
All Drive
255
R-Drive
244
G-Drive
252
B-Drive
198
All-Cut off
128
R-Cut off
128
G-Cut off
128
B-Cut off
128
Sub-Bright
2058
PWRCTL
9
CEC Check
OFF
EQ 120Hz
0
EQ 200Hz
0
EQ 500Hz
0
EQ 1.2kHz
0
EQ 3kHz
0
EQ 7.5kHz
0
EQ 12kHz
0
CH99+[HOLD]
CH99+[INDEX]
SERVICE 2
99
PANASONIC
V0. 2800
Service 2
IRD : 0.98.0
PANEL-MCU : 01.00
PANEL-EEPROM : 30.08
PANEL-FPGA : 40.22
PANEL-PDROM : 30.08
Flash PROGRAM
Ext >> TV
E2 PROGRAM
TV >> Ext
Ext >> TV
OK to program
OPTION 1: 01
OPTION 2: 10
OPTION 3: 28
OPTION 4: 75
OPTION 5: 23
OPTION 6: B0
OPTION 7: 08
OPTION 8: 80
OPTION 9: 00
OPTION 10: 80
OPTION 11: 12
OPTION 12: 80
OPTION 13: 01
Y/C Delay
1
OPTION1
OPTION2
OPTION3
OPTION4
OPTION5
OPTION6
OPTION7
OPTION8
OPTION9
OPTION10
OPTION11
OPTION12
OPTION13
Sub-Colour
43
H-POS
0
H-Amp
※
Hours
0

※ : This item appears when "component" selecting

Key Command
·Press the **RED/GREEN** button to step up/down through the functions.
·Press the **YELLOW/BLUE** button to change the function values.
·Press the **OK** button after each adjustment has been mode to store the required values.

9.3. Option Description

		PV60E	PX60B		
option1		4F	01		
	b0	1	1	Colour system	Auto(1)
	b1	1	0		SECAM(1)
	b2	1	0		NTSC(1)
	b3	1	0		M.NTSC(1)
	b4	0	0	A2 select 6.5MHz	5.742MHz(0) 6.742MHz(1)
	b5	0	0	SIF	I only(0), BG only(1)
	b6	1	0		I/BG/DK/L(2), BG/DK(3)
	b7	0	0	free	
option2		11	10		
	b0	1	0	A2 enable	enable(1)
	b1	0	0		not use
	b2	0	0		not use
	b3	0	0		not use
	b4	1	1	NICAM enable	enable(1)
	b5	0	0		not use
	b6	0	0		not use
	b7	0	0		not use
option3		3A	28		
	b0	0	0	SASO enable	SASO enable(1)
	b1	1	0	Fine tuning	Enable(1)
	b2	0	0	Search speed	Slow(1) Fast(0)
	b3	1	1	Tuner	MACO tuner (1), Others (0)
	b4	1	0	HYPER	UHF only (0), UHF/VHF (1)
	b5	1	1	IF I2C	I2C controlled Tuner IF module (1)
	b6	0	0	NICAM C4 bit	enable(1)
	b7	0	0	Blue Back	BLUE BACK on/off selection in menu(0)
option4		D9	75		
	b0	1	1	Aspect AUTO	enable(1)
	b1	0	0	S1/S2 enable	enable(1)
	b2	0	1	ID-1	enable(1)
	b3	1	0	User aspect Just	enable(1)
	b4	1	1	User aspect 14:9	enable(1)
	b5	0	1	ALBD 14:9	14:9 enable, Zoom3 disable at self wide(1)/ Zoom1, Zoom3 enable at self wide (0)
	b6	1	1	TEXT	enable(1)
	b7	1	0	TEXT TOP	TOP enable (1)
option5		23	23		
	b0	1	1	CH Blanking	Blanking enable (1)
	b1	1	1	AV Blanking	Blanking enable (1)
	b2	0	0	Noise mute	Noise mute enable(0)
	b3	0	0	sub picture	without sub-picture(0), with sub-picture(1)
	b4	0	0	2tuner	2tuner(1),1tuner(0)
	b5	1	1	AV Input	3rotation(1) / 2rotation without front RCA (0)
	b6	0	0	Panel (LCD)	Samsung Panel(1)/SHARP Panel(0)
	b7	0	0	Large size (LCD)	32(1)/26(0) for LCD
option6		A0	B0		
	b0	0	0	SD module	with SD module (1)
	b1	0	0	SD module Ext.Rec(PAL)	enable(1)
	b2	0	0	SD module Ext.Rec(NTSC)	enable(1)
	b3	0	0	SD module Ext.Rec(SECAM)	enable(1)
	b4	0	1	IDTV	enable(1)
	b5	1	1	HDMI	enable(1)
	b6	0	0	Ext. HV input	without HV input(0) / with HV input(1)
	b7	1	1	PC	enable(1)
option7		00	08		
	b0	0	0	Asia	Asia(1),europe(0)
	b1	0	0	Australia	not use
	b2	0	0	Ireland/India	Ireland(1)
	b3	0	1	UK/Korea	UK(1)
	b4	0	0	Lang1	not use
	b5	0	0	Lang2	not use
	b6	0	0	Lower POS	not use
	b7	0	0	Owner ID	not use

		PV60E	PX60B		
option8		78	80	**Euro option**	
	b0	0	0	ACI all country	ACI enable(1), only Netherlands(0)
	b1	0	0	ACI auto MP	ACI auto multi package enable (1)
	b2	0	0	ACI offset	ACI offset for VCR prog. enable(1)
	b3	1	0	Power up EC-Mode	Power on EC enable (1)
	b4	1	0	AVLink	Q-Link off selectable in menu (1)
	b5	1	0	Volume correction	TV Volume coorrection enable (1)
	b6	1	0	MPX/NICAM display	Display NICAM (0), Display MPX (1)
	b7	0	1	Albd Reset Off	enable(1)
option9		00	00		
	b0	0	0	CH Plan	ASIA / M.E. / HK/UK / CHINA(1)
	b1	0	0		NZ/INDNES(1)
	b2	0	0		AUSTRALIA(1)
	b3	0	0		E.EUROPE(1)
	b4	0	0		SPECIAL(1)
	b5	0	0		AMERICA(1)
	b6	0	0		CATV(1)
	b7	0	0		JAPAN(1)
option10		80	80		
	b0	0	0	NICAM priority	ASIA/M.E.(1)
	b1	0	0		HK/UK(1)
	b2	0	0		CHINA(1)
	b3	0	0		NZ/INDN(1)
	b4	0	0		AUSTRA(1)
	b5	0	0		E.EURO(1)
	b6	0	0		SPECIAL(1)
	b7	1	1	HDMI AVI Aspect	enable(1)
option11		42	42	**Additional**	
	b0	0	0	Remocon Type	Delux(1) / Leader(0)
	b1	1	1	Environment AI (PDP)	enable, with viewing mode auto (1) / disable, without viewing mode auto(0)
	b2	0	0	WSS14:9 off	WSS 14:9 off (1)
	b3	0	0	Child lock	Child Lock on:Tuning Menu skip(1)
	b4	0	0		
	b5	0	0	Contrast AI	enable(1)
	b6	1	1	Service H-POS	enable(1)
	b7	0	0	Service V-VOS	enable(1)
option12		00	80	**Additional**	
	b0	0	0	last memory of aspect	each source(1) / ALL source(0)
	b1	0	0	Reserved	
	b2	0	0	TEXT Ch Refresh	refresh enable(1) / disenable(0)
	b3	0	0	STILL	1:Disable / 0:Enable
	b4	0	0	LATIN	Latin:SAP/Fixed SIF4.5MHz/PAL-M,N/CC/Black level/Language
	b5	0	0	SRS	enable(1)
	b6	0	0	HDMI Quali TV	enable(0)
	b7	0	1	HDMI EC function	enable(1)
option13		20	30	**Additional**	
	b0	0	0	DVB ALBD	enable(1)
	b1	0	0	HDMI port	enable(0) 2 ports model/(1)1port model (only for TV MCU port setting)
	b2	0	0	HDMI format error OSD	display(0)/not display(1)
	b3	0	0	CEC control	enable(0)
	b4	0	1	Aspect 4:3 FULL	enable(0)
	b5	1	1	FTZ	enable(1)
	b6	0	0		
	b7	0	0		

10. Adjustment Procedure

10.1. Driver Set-up

10.1.1. Item / Preparation

1. Input a white signal to plasma video input.

2. Set the picture controls as follows.
Picture menu: Vivid
Picture: +30
Aspect: Full

Caution

1. First perform Vsus adjustment.

2. Confirmation of Vscn voltage should be performed after confirmation of Vad adjustment.

When Vad=-90V, Voltage of Vscn is 30V ±3V.

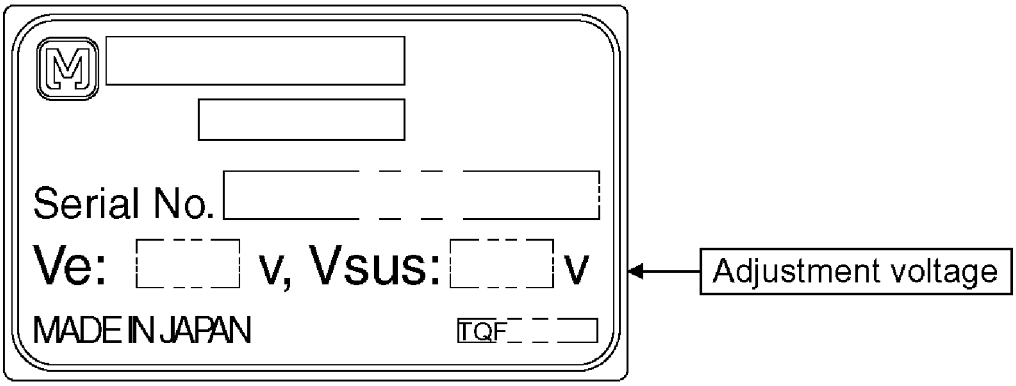
10.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus ± 2V	R628 (P)	*
Ve	TPVE (SS)	Ve ± 2V	VR6000 (SS)	*
Vset	TPVSET (SC)	260V ± 7V	Fixed	
Vad	TPVAD (SC)	-105V ± 1V	VR6600 (SC)	
Vscn	TPVSCN (SC)	Vad+140V ± 4V	Fixed	
Vda	TPVDA (SS)	75V ± 1V	Fixed	
Vdat	P12-1, 5 (P)	75.5V ± 0.1V	R665 (P)	
PFC	C446 (+) (-)	396V ± 0.5V	R443 (P)	
Vlow	C555 (+) (-)	78.5V ± 0.1V	R661 (P)	Vda load current : 0.4A
Csus	TPVSUS / (SS)	180V ± 0.5V	R671 (P)	Vsus load current : 1.4A

***See the Panel label.**

Panel Label information

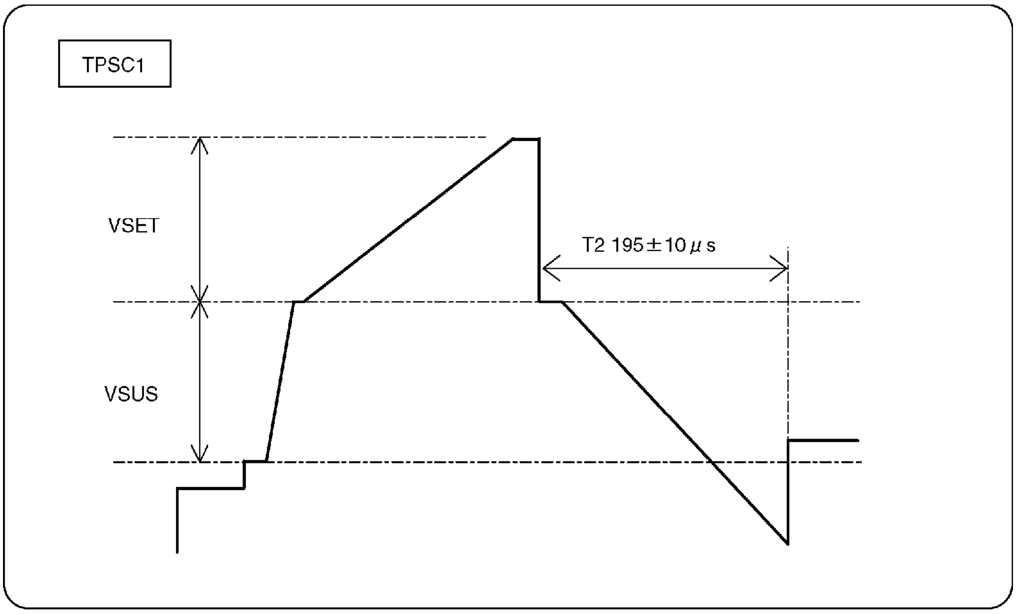


10.2. Initialization Pulse Adjust

1. Input the White signal to plasma video input.

2. Set the picture controls as follows.
   Picture menu : Vivid
   Picture : +25
   Aspect : Full
3. Connect Oscilloscope to TPSC1 (T2) and adjust VR6602 for 195+10 μ Sec.

	Test point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	195 ± 10 μ Sec



10.3. P.C.B. (Printed Circuit Board) exchange

10.3.1. Caution

1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

10.3.2. Quick adjustment after P.C.B. exchange

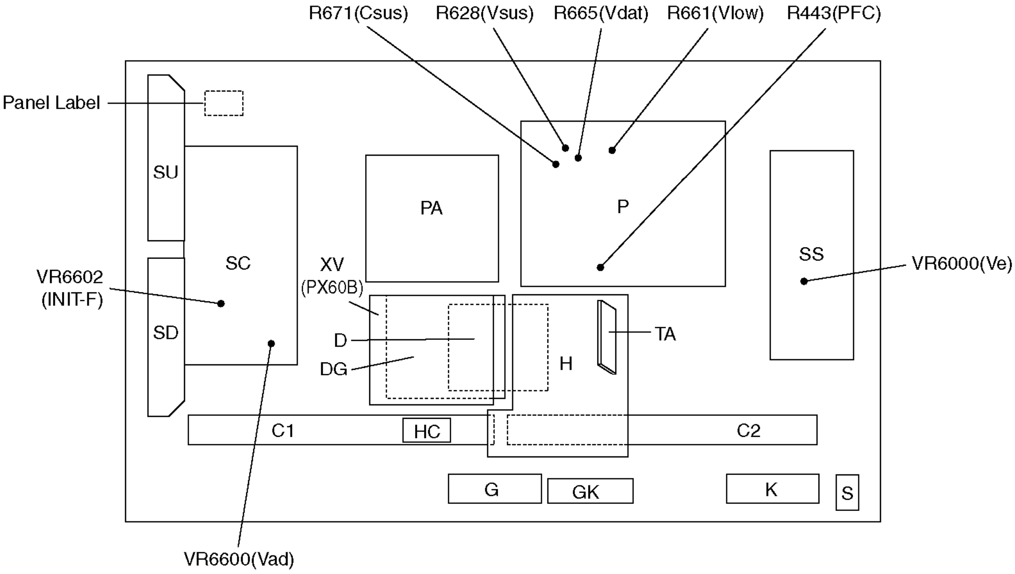
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	**Vsus**	**TPVSUS (SS)**	**Vsus ± 2V**	**R628 (P)**	*
	Vdat	**P12-1, 5 (P)**	**75.5V ± 0.1V**	**R665 (P)**	
	PFC	**C446 (+) (-) (P)**	**396V ± 0.5V**	**R443 (P)**	
	Vlow	**C555 (+) (-) (P)**	**78.5V ± 0.1V**	**R661 (P)**	**Vda load curr 0.4A**
	Csus	**TPVSUS (SS)**	**180V ± 0.5V**	**R671 (P)**	**Vsus load cur : 1.4A**
SC Board	**Vad**	**TPVAD (SC)**	**-105V ± 1V**	**VR6600 (SC)**	
SS Board	**Ve**	**TPVE (SS)**	**Ve ± 2V**	**VR6000 (SS)**	*
D, DG Board	**White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signal**				

***See the Panel label.**

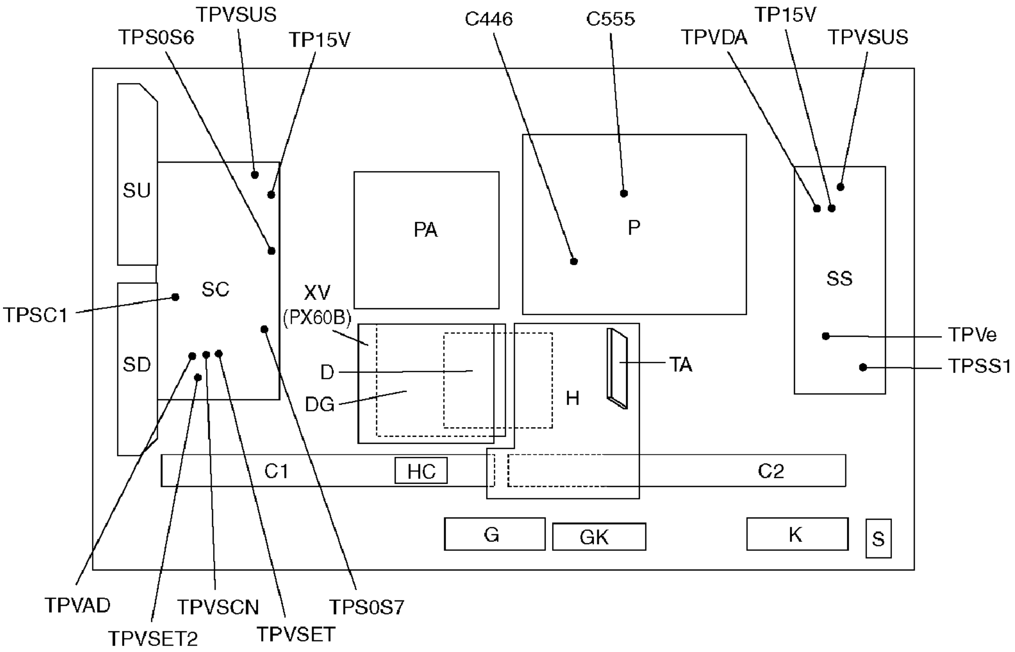
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

10.4. Adjustment Volume Location


R671(Csus)
R628(Vsus)
R665(Vdat)
R661(Vlow)
R443(PFC)
Panel Label
SU
PA
P
SC
XV
(PX60B)
SS
VR6000(Ve)
VR6602
(INIT-F)
SD
D
DG
H
TA
C1
HC
C2
G
GK
K
S
VR6600(Vad)

10.5. Test Point Location


TPVSUS
TPS0S6
TP15V
C446
C555
TP15V
TPVDA
TPVSUS
SU
PA
P
SC
XV
(PX60B)
SS
TPSC1
TPVe
D
TA
TPSS1
SD
H
DG
C1
HC
C2
G
GK
K
S
TPVAD
TPVSCN
TPS0S7
TPVSET2
TPVSET

11. Adjustment

11.1. PAL panel white balance adjustment

Instrument Name	Connection	Remarks
-W/B pattern **-Color analyzer (Minolta CA-100 or equivalent)**	**RF input** **Panel surface**	**User setting: Normal**
Procedure		**Remarks**

Instrument Name	Connection	Remarks

-Asing time is longer than 15min.

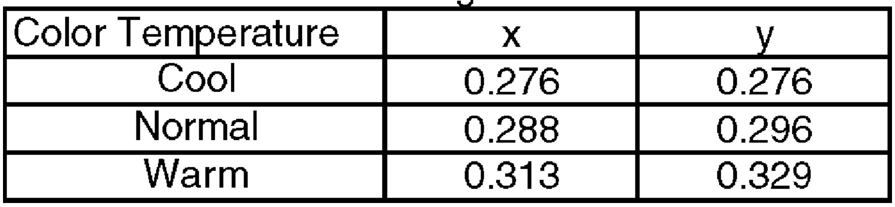
-Make sure the front panel to be used on the final set is fitted.

-Make sure a color signal is not being shown before adjustment.

-Put the color analyzer where there is little colour variation.
Complete the adjustment within 10 minutes after the turn on electricity.
Turn on the power supply again when it is not possible to complete it by aging etc.

1. Display the white balance pattern.
2. Check that the color balance is "cool".
3. Enter the <Service-Menu1> mode.
4. Select "G-CUTOFF" item, using the color-key "Red" or "Green", and set to "128", using the color-key "Yellow" or "Blue".
Also, "B-CUTOFF" and "R-CUTOFF" set to "128".
5. Set "G-DRIVE" at "224".
6. Touch the signal receiver of color analyzer to the highlight window's center, and adjust B drive and R drive so x, y become the "Color balance Cool" in the below table.
7. Set "ALL-DRIVE" to "252".
8. Set colorbalance to "Normal".
9. Fix G cutoff , B cutoff and R cutoff at "128".
10. Fix G drive at "224".
11. Adjust B drive and R drive so the highlight window's x, y become the "Color balance "Normal" in the below table.
12. Set "ALL-DRIVE" to "252".
13. Set color balance to "Warm".
14. Set G cutoff, B cutoff and R cutoff to "128".
15. Set G drive to "224".
16. Adjust B drive and R drive so the highlight window's x, y become the "Color balance Warm" shown in the below table.
17. Set "ALL-DRIVE" to "252".

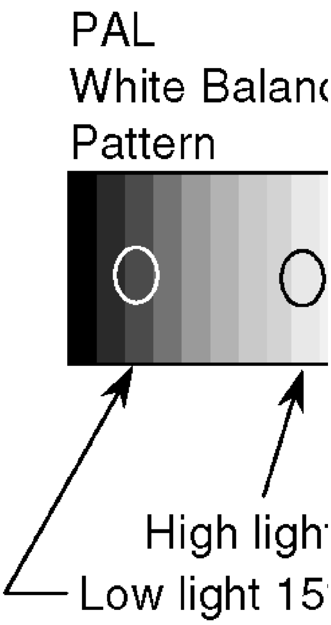
Table 1. Color balance target value



Color Temperature	x	y
Cool	0.276	0.276
Normal	0.288	0.296
Warm	0.313	0.329

Picture menu : Dynamic
ASPECT : 16:9

-Highlight section
Signal amplitude 75%



11.2. HD white balance adjustment

Instrument Name	Connection	Remarks
-1080i W/B Pattern -Color analyzer(Minolta CA-100 or equivalent)	-RF input -Panel surface	User setting: Normal

Procedure	Remarks
-Asing time is longer than 15min. -Make sure the front panel to be used on the final set is fitted. -Make sure a color signal is not being shown before adjustment. -Put the color analyzer where there is little colour variation.	Picture menu: Dynamic ASPECT:16:9

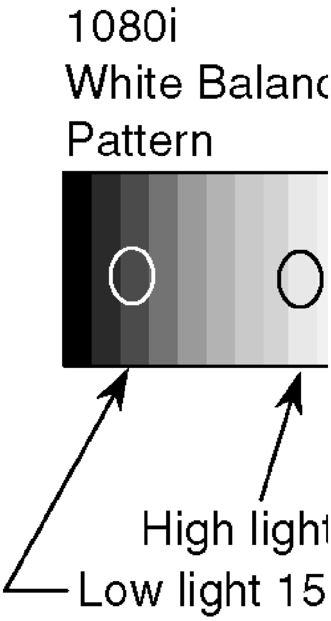
Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc.

1. Display the white balance pattern.
2. Check that the color balance is “cool”.
3. Enter the <Service-Menu1> mode.
4. Select “G-CUTOFF” item, using the color-key “Red” or “Green”, and set to “128”, using the color-key “Yellow” or “Blue”.
Also, “B-CUTOFF” and “R-CUTOFF” set to “128”.
5. Set “G-DRIVE” at “224”.
6. Touch the signal receiver of color analyzer to the highlight window’s center, and adjust B drive and R drive so x, y become the “Color balance Cool” in the below table.
7. Set “ALL-DRIVE” to “252”.
8. Set colorbalance to “Normal”.
9. Fix G cutoff , B cutoff and R cutoff at “128”.
10. Fix G drive at “224”.
11. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance “Normal” in the below table.
12. Set “ALL-DRIVE” to “252”.
13. Set color balance to “Warm”.
14. Set G cutoff, B cutoff and R cutoff to “128”.
15. Set G drive to “224”.
16. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance Warm” shown in the below table.
17. Set “ALL-DRIVE” to “252”.

Table 1. Color balance target value

Color Temperature	x	y
Cool	0.276	0.276
Normal	0.288	0.296
Warm	0.313	0.329

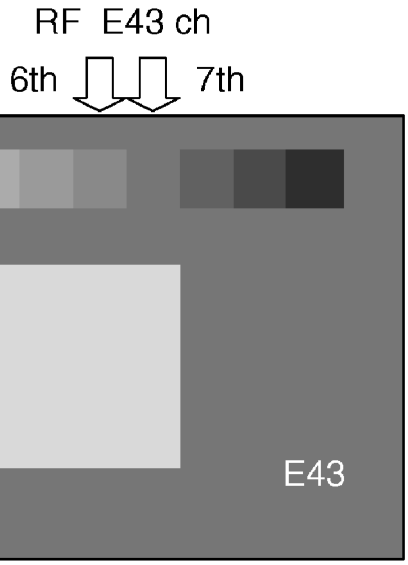
-Highlight section
Signal amplitude 75%



* The Color balance COOL
from Japanese model valu

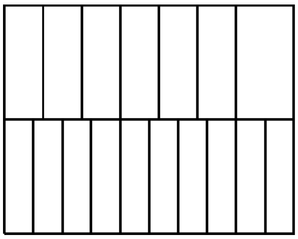
11.3. Sub bright adjustment

Instrument Name	Connection	Remarks
1. PAL signal generator (or RF)	Connect to the input terminal	User setting: Normal

Procedure	Remarks
-Color balance adjustment is finished for each signal. -Do adjustments in a dark room. -Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc. 1. Display the pattern for adjusting subbright from video input. 2. Use "Sub-Bright" in the <Sevice-Menu1> mode to adjust so the 6th section shows up and the 7th fades away. **Data** **Sub-Bright total 12bit data addresses** **LSB 8bit A0-016c bit7-0** **MSB 4bit A0-016d bit3-0**  RF E43 ch.	Picture menu: Dynamic Color balance: Normal ASPECT: 16:9 * If using RF ch.E04 or E43

11.4. ABL adjustment

Instrument Name	Connection	Remarks
1. HD signal emitter (or Leader : 1080i/No.9 signal) 2. Wattmeter	**COMPONENT input terminal** **Connect the AC power of the set to the wattmeter.**	

Procedure	Remarks
-Make sure the set is aged for 30 minutes or more before adjustment. (Do not switch off during or after aging.) -Voltage 230V 50Hz (variation within 1%) -Volume at minimum and screen size at “16:9” Component input, dynamic, standard 1. Connect the set's AC power to the wattmeter. 2. Input the signal (top half: color bar, Bottom half :Horizontal 10steps bar). 3. Select the “PWRCTL” item in the Service1. 4. Adjust PWRCTL so the set's power consumption is TH-37PV60E 271 ±10W TH-37PX60B 280 ±10W TH-42PV60E 331 ±10W TH-42PX60B 340 ±10W **Remarks** 1. The initial data are 0×00 for 37/42SD (A0-0102) 2. The power and data are in reverse relationship. (Lower the data to raise the power.) -Raising direction (↑):20 → 1F -Lowering direction (↓):20 → 1A 3. There is a possibility that the adjustment value can do two places, adjust it in that case, that the value of PWRCTL is large.  No.9 Signal Top half: Full color bar Bottom half: Horizontal 10 steps bar	

12. Hotel mode

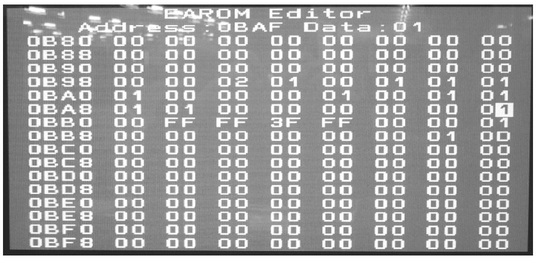
1. Purpose

Restrict a function for hotels.

2. Access command

- **Enter to the Service 2 Mode.**
- **Press Information button on remote control and entry to the EAROM EDITOR Mode.**

- **Press the RED/GREEN button to step up/down through the address.**
- **Press the YELLOW/BLUE button to step left/right through the address.**
- **Press the PROGRAMME UP/DOWN button to step up/down through the page.**
- **Press the VOLUME UP/DOWN button to change the function values.**
- **Set the data of EEPROM(ADDRESS 0BAF) to 01.**
- **Press the OK button to memorize the data.**



```
            EAROM Editor
     Address:0BAF  Data:01
0B80  00  00  00  00  00  00  00  00
0B88  00  00  00  00  00  00  00  00
0B90  00  00  00  00  00  00  00  00
0B98  00  00  02  01  00  01  01  01
0BA0  01  00  00  00  01  00  01  01
0BA8  01  01  00  00  00  00  00  01
0BB0  00  FF  FF  3F  FF  00  00  01
0BB8  00  00  00  00  00  00  01  00
0BC0  00  00  00  00  00  00  00  00
0BC8  00  00  00  00  00  00  00  00
0BD0  00  00  00  00  00  00  00  00
0BD8  00  00  00  00  00  00  00  00
0BE0  00  00  00  00  00  00  00  00
0BE8  00  00  00  00  00  00  00  00
0BF0  00  00  00  00  00  00  00  00
0BF8  00  00  00  00  00  00  00  00
```

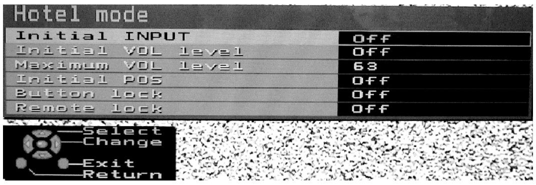
Push the Power switch(button) off/on the set(the remote control) to turn the set off/on.
It can be made Hotel mode.

3. Exit command

- **First, set the data of EEPROM(ADDRESS 0BAF) to 00.**
  Next, Push the Power switch(button) off/on the set(the remote control) to turn the set off/on.
  Then, it is no longer hotel mode.

4. Access command to the Hotel mode setup menu

- **Prerequisite : It is conditions that the data of EEPROM(ADDRESS 0BAF) is 01.**
  In order to display the Hotel mode setup menu, please enter the following command (within 2 second).
  [[TV]:down + [REMOTE]:TV/AV(3 times)]
  Then, the Hotel mode setup menu is displayed.



Hotel mode

Initial INPUT	Off
Initial VOL level	Off
Maximum VOL level	63
Initial POS	Off
Button lock	Off
Remote lock	Off

5. Explain the Hotel mode setup menu

item	Function
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/TV/AV1/AV2/AV2S/AV3/Av3S/AV4/Av4S/Component/PC/HDMI1/HDMI2 -Off: give priority to a last memory. However, Euro model is compulsorily set to TV. -AVnS/AVnC: only Euro model selectable -PC: selectable with VGA option
Initial VOL level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 63 -Off: give priority to a last memory
Maximum VOL level	Adjust maximum volume. Range : 0 to 63
Initial POS	Select programme number. Selection : Off/0 to 99 -Off: give priority to a last memory
Button lock	Select local key conditions. Selection : Off/SETUP/MENU/All -Off: altogether valid -SETUP: only F-key is invalid (Tuning guide(menu) can not be selected.) -MENU: only F-key is invalid (only Volume/Mute can be selected.) -All: altogether invalid.
Remote lock	Select remote control key conditions. Selection : Off/SETUP/MENU -Off: altogether valid -SETUP: only Setup menu is invalid -MENU: Picture/Sound/Setup menu are invalid

6. To exit the Hotel mode

Disconnect AC power cord from wall outlet

13. Concuct Views

13.1. P-Board (37inch)

13.2. P-Board (42inch)

13.3. PA-Board

13.4. H-Board

13.5. G and TA-Board

13.6. GK, HC, K and S-Board

13.7. DG-Board

13.8. XV-Board (PX60B)

13.9. D-Board

13.10. C1-Board (37inch)

13.11. C1-Board (42inch)

13.12. C2-Board (37inch)

13.13. C2-Board (42inch)

13.14. SC-Board

13.15. SU-Board (37inch)

13.16. SU-Board (42inch)

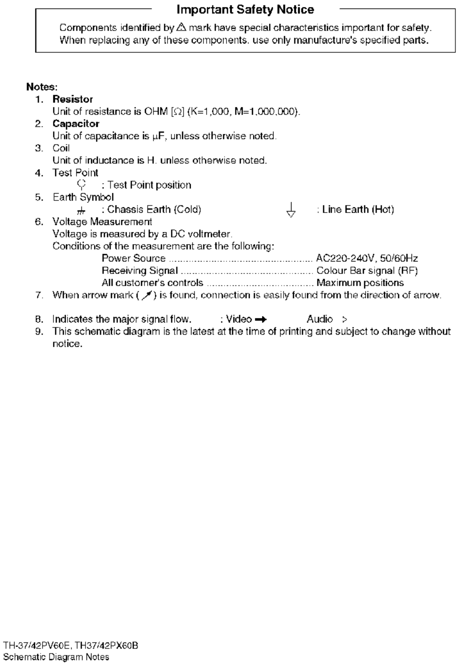
13.17. SD-Board (37inch)

13.18. SD-Board (42inch)

13.19. SS-Board

14. Schemaatic and Block Diagram

14.1. Schematic Diagram Notes



Important Safety Notice

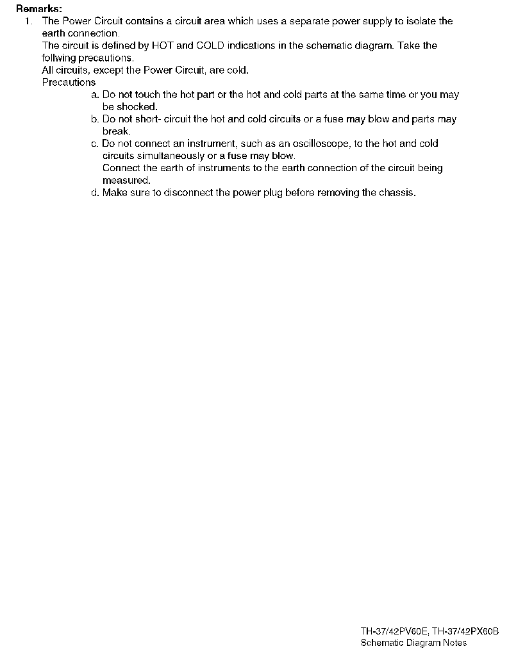
Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components. use only manufacture's specified parts.

Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H. unless otherwise noted.
4. Test Point
   ○ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source AC220-240V, 50/60Hz
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.

8. Indicates the major signal flow. : Video ➡ Audio >
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

TH-37/42PV60E, TH37/42PX60B
Schematic Diagram Notes



Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
   Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

TH-37/42PV60E, TH-37/42PX60B
Schematic Diagram Notes

14.2. Main Block Diagram (37inch)

14.3. Main Block Diagram (42inch)

14.4. P-Board Block Diagram (37inch)

14.5. P-Board (1 of 6) Schematic Diagram (37inch)

14.6. P-Board (2 of 6) Schematic Diagram (37inch)

14.7. P-Board (3 of 6) Schematic Diagram (37inch)
14.8. P-Board (4 of 6) Schematic Diagram (37inch)
14.9. P-Board (5 of 6) Schematic Diagram (37inch)
14.10. P-Board (6 of 6) Schematic Diagram (37inch)
14.11. P-Board Block Diagram (42inch)
14.12. P-Board (1 of 6) Schematic Diagram (42inch)
14.13. P-Board (2 of 6) Schematic Diagram (42inch)
14.14. P-Board (3 of 6) Schematic Diagram (42inch)
14.15. P-Board (4 of 6) Schematic Diagram (42inch)
14.16. P-Board (5 of 6) Schematic Diagram (42inch)
14.17. P-Board (6 of 6) Schematic Diagram (42inch)
14.18. PA-Board Block Diagram
14.19. PA-Board (1 of 3) Schematic Diagram
14.20. PA-Board (2 of 3) Schematic Diagram
14.21. PA-Board (3 of 3) Schematic Diagram
14.22. H and TA-Board Block Diagram
14.23. G, GK, HC and K-Board Block Diagram
14.24. H-Board (1 of 3)Schematic Diagram
14.25. H-Board (2 of 3)Schematic Diagram
14.26. H-Board (3 of 3)Schematic Diagram
14.27. G-Board Schematic Diagram
14.28. GK, K, HC and TA-Board Schematic Diagram
14.29. DG-Board (1 of 3) Block Diagram
14.30. DG-Board (2 of 3) Block Diagram
14.31. DG-Board (3 of 3) Block Diagram

14.32. DG-Board (1 of 8) Schematic Diagram

14.33. DG-Board (2 of 8) Schematic Diagram

14.34. DG-Board (3 of 8) Schematic Diagram

14.35. DG-Board (4 of 8) Schematic Diagram

14.36. DG-Board (5 of 8) Schematic Diagram

14.37. DG-Board (6 of 8) Schematic Diagram

14.38. DG-Board (7 of 8) Schematic Diagram

14.39. DG-Board (8 of 8) Schematic Diagram

14.40. XV-Board Block Diagram (PX60B)

14.41. XV-Board (1 of 5) Schematic Diagram (PX60B)

14.42. XV-Board (2 of 5) Schematic Diagram (PX60B)

14.43. XV-Board (3 of 5) Schematic Diagram (PX60B)

14.44. XV-Board (4 of 5) Schematic Diagram (PX60B)

14.45. XV-Board (5 of 5) Schematic Diagram (PX60B)

14.46. D-Board Block Diagram

14.47. D-Board (1 of 6) Schematic Diagram

14.48. D-Board (2 of 6) Schematic Diagram

14.49. D-Board (3 of 6) Schematic Diagram

14.50. D-Board (4 of 6) Schematic Diagram

14.51. D-Board (5 of 6) Schematic Diagram

14.52. D-Board (6 of 6) Schematic Diagram

14.53. C1 and C2-Board Block Diagram

14.54. C1-Board (1 of 2) Schematic Diagram (37inch)

14.55. C1-Board (2 of 2) Schematic Diagram (37inch)

14.56. C1-Board (1 of 2) Schematic Diagram (42inch)

14.57. C1-Board (2 of 2) Schematic Diagram (42inch)

14.58. C2-Board (1 of 2) Schematic Diagram (37inch)

14.59. C2-Board (2 of 2) Schematic Diagram (37inch)

14.60. C2-Board (1 of 2) Schematic Diagram (42inch)

14.61. C2-Board (2 of 2) Schematic Diagram (42inch)

14.62. SC, SU and SD-Board Block Diagram (37inch)

14.63. SC, SU and SD-Board Block Diagram (42inch)

14.64. SC-Board (1 of 2) Schematic Diagram

14.65. SC-Board (2 of 2) Schematic Diagram

14.66. SU-Board (1 of 2) Schematic Diagram (37inch)

14.67. SU-Board (2 of 2) Schematic Diagram (37inch)

14.68. SU-Board (1 of 2) Schematic Diagram (42inch)

14.69. SU-Board (2 of 2) Schematic Diagram (42inch)

14.70. SD-Board (1 of 2) Schematic Diagram (37inch)

14.71. SD-Board (2 of 2) Schematic Diagram (37inch)

14.72. SD-Board (1 of 2) Schematic Diagram (42inch)

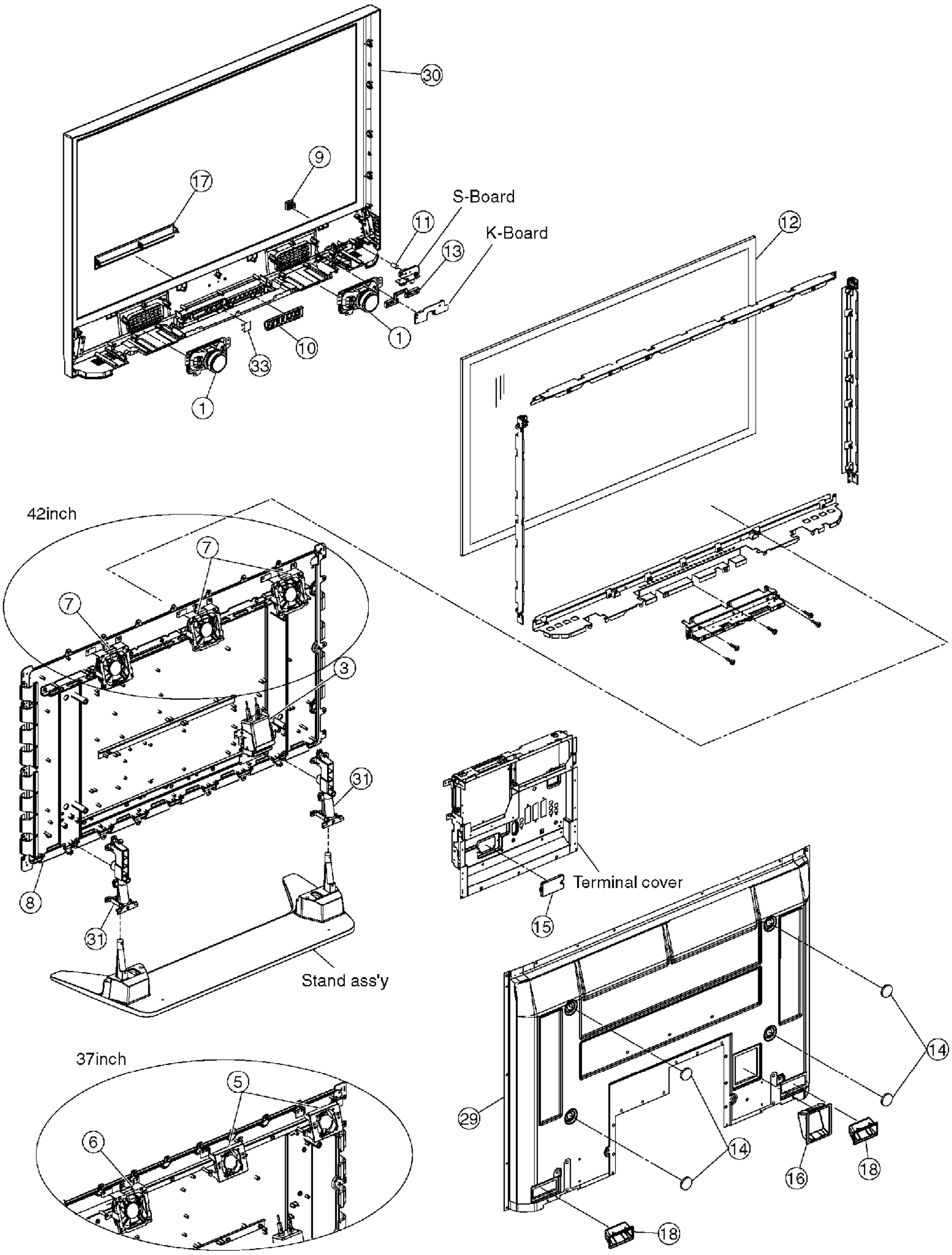
14.73. SD-Board (2 of 2) Schematic Diagram (42inch)

14.74. SS and S-Board Block Diagram

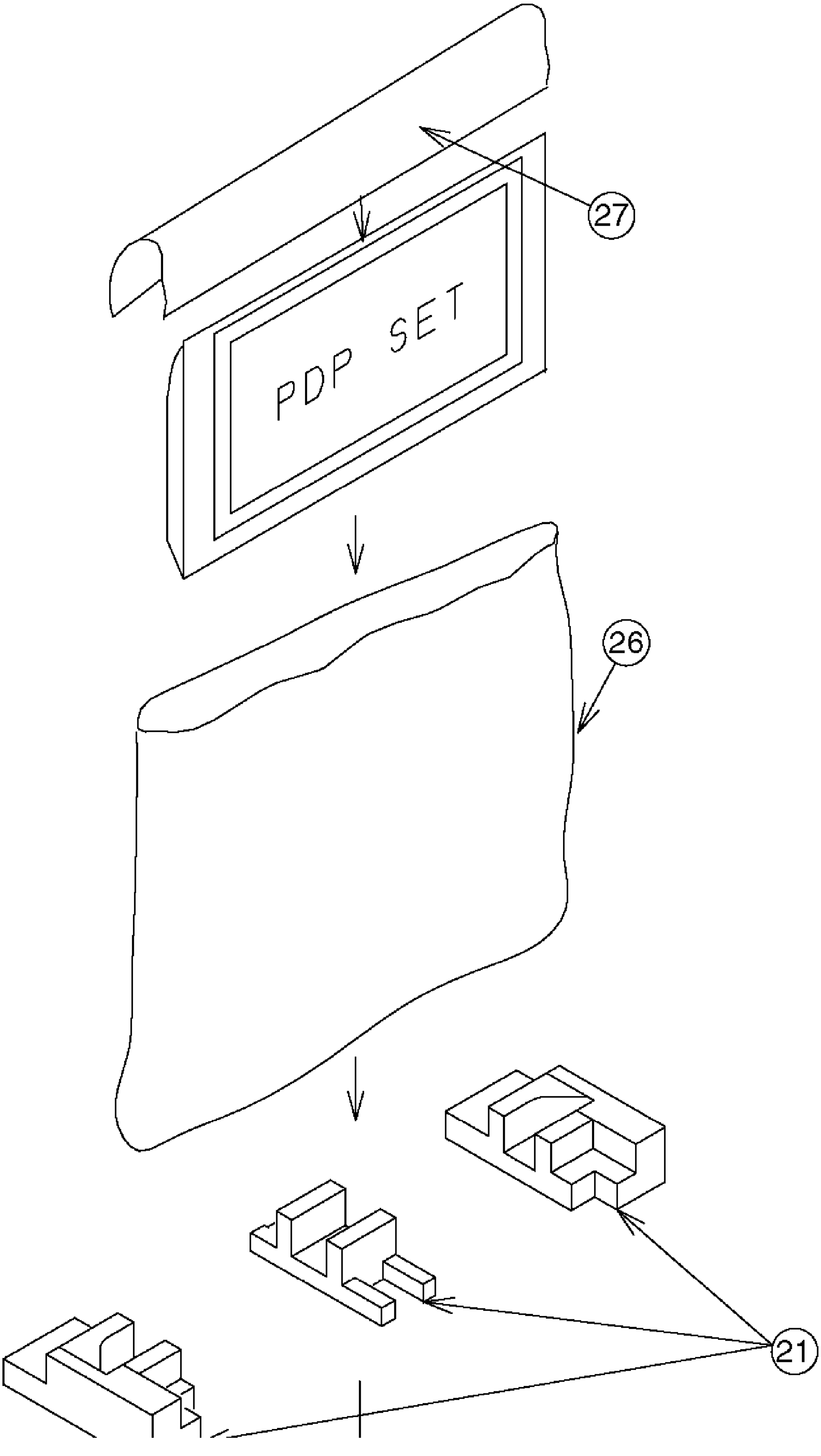
14.75. SS and S-Board Schematic Diagram

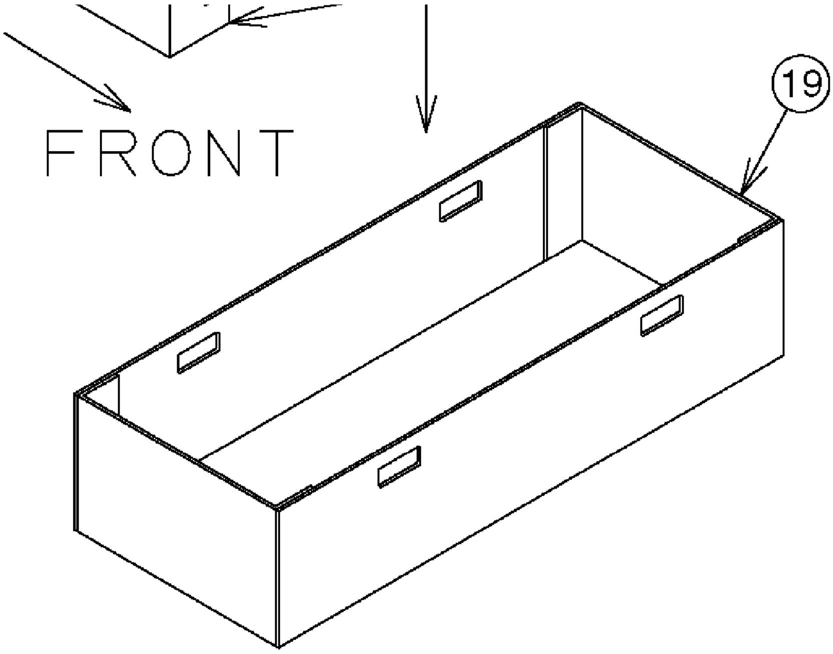
15. Parts Location & Mechanical Replacement Parts List

15.1. Parts Location

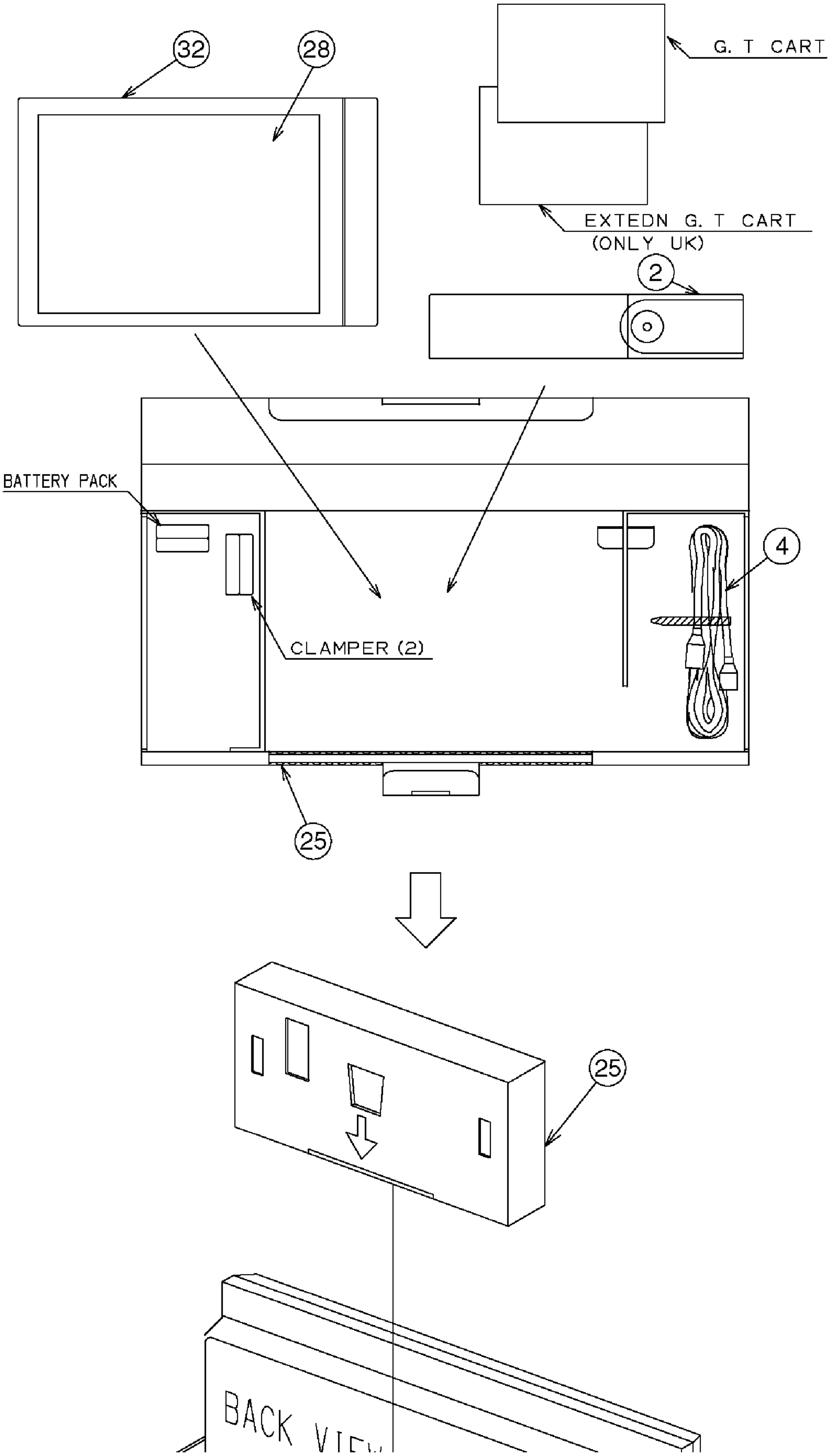

30
9
17
S-Board
11
K-Board
12
13
1
33
10
1
42inch
7
7
7
3
31
8
31
Stand ass'y
Terminal cover
15
14
29
14
16
18
18
37inch
5
6

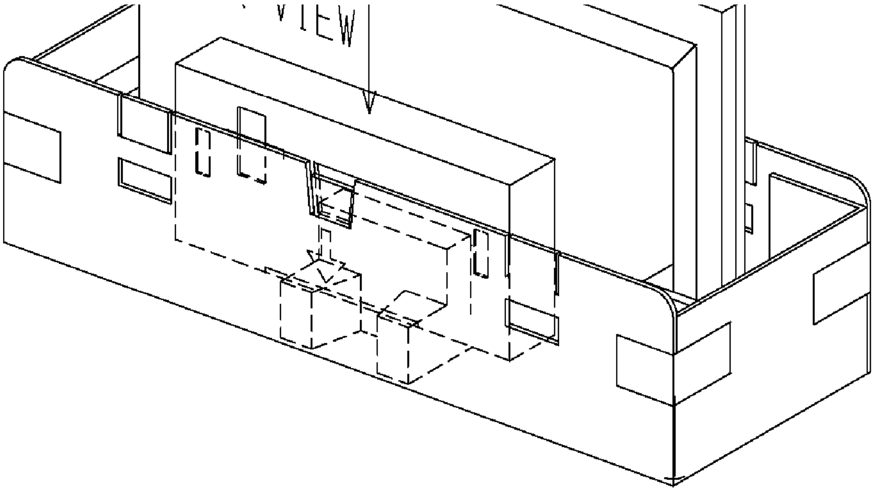
15.2. Packing Exploded Views (1)


PDP SET

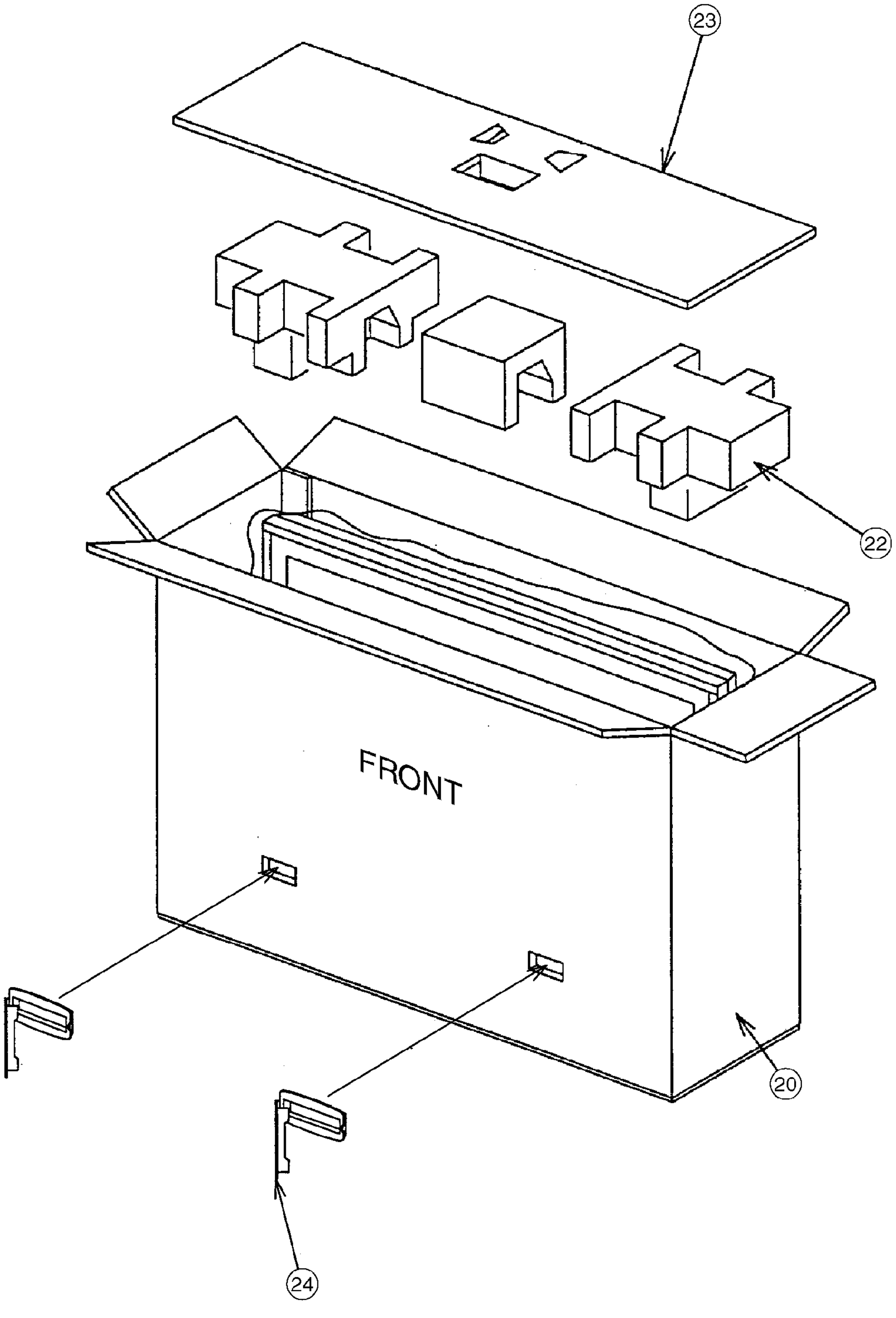


15.3. Packing Exploded Views (2)


32
28
G. T CART
EXTEDN G. T CART
(ONLY UK)
2
BATTERY PACK
4
CLAMPER (2)
25
25
BACK VIEW



15.4. Packing Exploded Views (3)



15.5. Mechanical Replacement Parts List

Note:

All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG. Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EAS12S10A	SPEAKER	2	
2	EUR7651080	REMOTE CONTROL	1	TH-37/42PX60B PAVCCZ
2	EUR7651090	REMOTE CONTROL	1	TH-37/42PV60E PAVCCZ
	J2ZZ00000054	RF-CABLE	1	TH-37/42PX60B PAVCCZ (see CHAP.6.7.2)
3	K2AHYH000005	AC INLET	1	⚠
4	K2CN3DH00006	AC CORD	1	TH-37/42PV60E ⚠
4	K2CT3DH00018	AC CORD	1	TH-37/42PX60B ⚠
5	L6FAKEDH0009	FAN (SMALL)	2	37inch
6	L6FALEFH0041	FAN (80MM)	1	37inch
7	L6FALEFH0041	FAN (80MM)	3	42inch
8	MD37H09A1J	PLASMA DISPLAY PANEL	1	⚠ 37inch
8	MD42H09A1J	PLASMA DISPLAY PANEL	1	⚠ 42inch
	TBMA185	PANASONIC BADGE	1	
9	TBX0E81801	POWER BUTTON	1	PAVCCZ
10	TBX0E81900	CONTROL BUTTON	1	PAVCCZ
11	TES4G204	POWER BUTTON SPRING	1	PAVCCZ
33	TESA274	LEAF SPRING	1	
	THEL035N	SCREW	72	37inch
	THEL035N	SCREW	71	42inch
	THEL0429	SCREW	28	
	THTD010N	SCREW	9	
	THTD011J	SCREW	2	
12	TKGA5263	FRONT GLASS	1	37inch PAVCCZ
12	TKGA5264	FRONT GLASS	1	42inch PAVCCZ
13	TKKC5239	PANEL LIGHT	1	TH-37/42PV60E
13	TKKC5240	PANEL LIGHT	1	TH-37/42PX60B PAVCCZ
14	TKKL5231	COVER	4	
15	TKKL5269	COVER	1	
16	TKPA94301	INLET COVER	1	
17	TKP0E16302	DOOR	1	PAVCA
18	TKR0E0101	REAR COVER HANDLE	2	PAVCCZ
	TKR0E0102	REAR COVER HOOK LEFT	1	PAVCCZ
	TKR0E0103	REAR COVER HOOK RIGHT	1	PAVCCZ
	TMK0E724	SPONGE (FRONT GLASS V)	2	37inch PAVCCZ
	TMK0E722	SPONGE (FRONT GLASS V)	2	42inch PAVCCZ
	TMK0E730	SPONGE (FRONT GLASS H)	2	37inch PAVCCZ
	TMK0E729	SPONGE (FRONT GLASS H)	2	42inch PAVCCZ
	TMK0E736	SPEAKER SPONGE	2	37inch PAVCCZ
	TMK0E723	SPEAKER SPONGE	2	42inch PAVCCZ
	TMKG562	SPONGE (FAN)	1	37inch
	TMKG665	SPONGE (FAN)	2	37inch PAVCCZ
	TMKG562	SPONGE (FAN)	3	42inch
	TMKG666	SPONGE	1	
	TMM0E301	M8 SPACER	4	PAVCCZ
	TMM15481	CLAMPER	4	
	TMM17499	CLAMPER	1	
	TMM25401	CLAMPER	6	37inch
	TMM25401	CLAMPER	8	42inch
	TMM7464-2	CLAMPER	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TMM7468-1	CLAMPER	1	
	TMME047	CLAMPER	3	TH-37/42PV60E
	TMME047	CLAMPER	4	TH-37/42PX60B
	TMME061	CLAMPER	6	
	TMME075	EADG SADOLE	3	
	TMME190	CLAMPER	2	
	TMME226	CLAMPER	1	
	TMME258	CLAMPER	2	
	TMME260	CLAMPER	5	
	TMMJ068	RUBBER (FAN)	9	
19	TPC0E64701	CARTON BOX BOTTOM	1	37inch PAVCCZ
19	TPC0E64901	CARTON BOX BOTTOM	1	42inch PAVCCZ
20	TPC0E67101	CARTON BOX TOP	1	37inch PAVCCZ ⚠
20	TPC0E66901	CARTON BOX TOP	1	42inch PAVCCZ ⚠
21	TPD0E0109	CUSHION BOTTOM	1	PAVCCZ
22	TPD0E0110	CUSHION TOP	1	PAVCCZ
23	TPD0E9030	TOP PAD	1	37inch PAVCCZ
23	TPD0E9031	TOP PAD	1	42inch PAVCCZ
24	TPD169487	JOINT	4	
25	TPDF1197	ACCESSORIES BOX	1	
26	TPE0E4010	PROTECT COVER	1	PAVCCZ
27	TPE0E4013	TOP PROTECT SHEET	1	PAVCCZ
28	TQB0E0254	INSTRUCTION BOOK (ENGLISH)	1	TH-37/42PX60B PAVCCZ ⚠
28	TQB0E0259A	INSTRUCTION BOOK (GERMAN)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259B	INSTRUCTION BOOK (DUTCH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259C	INSTRUCTION BOOK (ITALIAN)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259D	INSTRUCTION BOOK (FRENCH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259E	INSTRUCTION BOOK (SPANISH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259F	INSTRUCTION BOOK (SWEDISH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259K	INSTRUCTION BOOK (DANISH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259M	INSTRUCTION BOOK (BULGARIA)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259N	INSTRUCTION BOOK (ROMANIAN	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259P	INSTRUCTION BOOK (POLISH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259Q	INSTRUCTION BOOK (HUNGARIA	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259R	INSTRUCTION BOOK (CZECH)	1	TH-37/42PV60E PAVCCZ ⚠
28	TQB0E0259U	INSTRUCTION BOOK (ENGLISH)	1	TH-37/42PV60E PAVCCZ ⚠
	TSXL513	CABLE (D31-C11/D32-C21)	2	
	TSXL519	CABLE (C12-C22)	1	
	TSXL520	CABLE (DG1-H1)	1	
	TSXL521	CABLE (DG15-HC15)	1	
	TSXL522	CABLE (DG20-PA20)	1	
	TSXL523	CABLE (DG3-D3)	1	
29	TXFKU01BKTB	REAR COVER	1	TH-37PX60B PAVCCZ ⚠
29	TXFKU01BJTB	REAR COVER	1	TH-42PX60B PAVCCZ ⚠
29	TXFKU01BKTE	REAR COVER	1	TH-37PV60E PAVCCZ ⚠
29	TXFKU01BJTE	REAR COVER	1	TH-42PV60E PAVCCZ ⚠
30	TKY0E0189	ESCUTCHEON ASS'Y	1	TH-37PX60B PAVCCZ ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
30	TKY0E0190	ESCUTCHEON ASS’Y	1	TH-42PX60B PAVCCZ ⚠
30	TKY0E0194	ESCUTCHEON ASS’Y	1	TH-37PV60E PAVCCZ ⚠
30	TKY0E0195	ESCUTCHEON ASS’Y	1	TH-42PV60E PAVCCZ ⚠
31	TXFKZ04BJTB	STAND BLOCK ASS’Y	2	PAVCCZ
	TXJ/SWYFSE	SPEAKER LEAD WIRE	2	
	XTB4+12GFJ	SCREW	41	
	XTB4+12GFJK	SCREW	8	
	XTB4+16GFJ	SCREW	2	
	XTV3+10JFJK	SCREW	6	
	XTW4+25DFJ	SCREW	12	PAVCCZ
	XYN3+F10FJ	SCREW	2	
	XYN3+F6FJ	SCREW	1	
	XYN3+F8FJ	SCREW	40	
	XYN3+J10FJ	SCREW	1	
	XYN3+J12FJ	SCREW	39	37inch
	XYN3+J12FJ	SCREW	31	42inch
	XYN3+J8FJ	SCREW ROHS	6	
	XYN3+J8FJ	SCREW ROHS	1	
	XYN4+E8FJ	SCREW	1	
	XYN4+F10FJ	SCREW	6	42inch
	XYN4+F10FJK	SCREW	6	
	XYN4+F15FJK	SCREW (ALCH-GHT 4 : ALCH)	6	42inch
	XYN4+F30FJK	SCREW (BC TOP6 SIDE6: AL)	18	
	XYN5+C15FJ	SCREW	8	
32	XZBT6530	POLY BAG	1	

16. Electrical Replacement Parts List

16.1. Replacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal FIlm	J : ±5% K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polypropylene	F : ±1pF G : ±3pF J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

16.2. Electrical Replacement Parts List (37inch)

Note:

All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	⚠
C001	ECA0JM102	E 1000UF, 6.3V	1	
C002,03	ECA1HM100	E 10UF, 50V	2	
C007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C009	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1MN20BA0231	20P CONNECTOR	1	
C013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C018,19	ECJ1VC1H330J	C 33PF, J, 50V	2	
C020	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C021	ECJ1XC1H101J	C 100PF, J, 50V	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1MN20BA0231	20P CONNECTOR	1	
C23	K1KA12BA0107	12P CONNECTOR	1	
C1100	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1102	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1103	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1105	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1106	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1107	EEEHB0G101R	C 100PF, J, 4V	1	
C1109-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C1112	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1114	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1116	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1118-23	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1125	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1127-32	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1133,34	ECJ1XC1H150J	C 15PF, J, 50V	2	
C1135-42	ECJ0EB1A104K	C 0.1UF, K, 10V	8	
C1144-50	ECJ0EB1A104K	C 0.1UF, K, 10V	7	
C1152	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1153	EEEHB0G101R	C 100PF, J, 4V	1	
C1154	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1155	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1156,57	ECJ1XC1H220J	C 22PF, J, 50V	2	
C1158	F1J0J1060004	C 0.010UF, K, 16V	1	
C1159	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1160	EEEHB1C470P	C 47PF, J, 16V	1	
C1161	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1162	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1167,68	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C1170,71	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PX60B
C1172	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1177	ECJ1VB1A334K	C 0.1UF, K, 16V	1	
C1178	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1180,81	ECJ1VB1H221K	C 220UF, K, 50V	2	
C1186	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1190	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1212	ECJ1XC1H151J	C 150PF, J, 50V	1	
C1219,20	EEEHP1C100R	C 10PF, J, 16V	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1221	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C1222,23	F1J0J1060004	C 0.010UF, K, 16V	2	
C1226	F1J0J1060004	C 0.010UF, K, 16V	1	
C1227	ECJ0EB1H101K	C 100PF, K, 50V	1	
C1228-34	EEEHB1C470P	C 47PF, J, 16V	7	
C1294	ECJ1XC1H330J	C 33PF, J, 50V	1	
C2005-18	ECJ1XC1H561J	C 560PF, J, 50V	14	
C2019	ECA1CM221	E 220UF, 16V	1	
C2020	ECA1HM220	E 22UF, 50V	1	
C2021,22	ECJ1XC1H561J	C 560PF, J, 50V	2	
C2103,04	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2111	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2116	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2118,19	ECEA1CN470U	E 47UF, 16V	2	
C2122,23	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2125,26	ECJ1VB1H102K	C 1000PF, K, 50V	2	
C2127	ECA1CMH101	E 100UF, 16V	1	
C2128	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2129,30	F1J1A1050002	C 1UF, Z, 50V	2	
C2131	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2132	EEEHB1C100R	C 10PF, J, 16V	1	
C2133,34	ECJ1XC1H470J	C 47PF, J, 50V	2	
C2139-43	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C2144,45	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2146	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2147	ECA1HM220	E 22UF, 50V	1	
C2148-50	ECJ2FB1C105K	C 1UF, K, 16V	3	
C2152	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2153	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2154	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2155	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2156	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2157	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2158	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2159,60	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2161	ECA1CMH101	E 100UF, 16V	1	
C2162-69	ECJ2FB1C105K	C 1UF, K, 16V	8	
C2170-72	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C2173	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2174	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2175-77	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C2178,79	EEEHB1C100R	C 10PF, J, 16V	2	
C2181	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2183	EEEHB1H3R3R	C 3.3PF, J, 50V	1	
C2184,85	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C2189,90	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2191	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2192	EEEHB1C100R	C 10PF, J, 16V	1	
C2193,94	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2195	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2196	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2197	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	
C2198	EEEHB0J101P	C 100PF, J, 6.3V	1	
C2199	ECJ1VC1H560J	C 56PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2200	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2201	ECJ1XC1H030C	C 3PF, C, 50V	1	
C2202	ECJ1XC1H050C	C 5PF, C, 50V	1	
C2203	ECJ1VC1H100C	C 10PF, C, 50V	1	
C2204	ECJ1XC1H220J	C 22PF, J, 50V	1	
C2211	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C2213	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
C2217	F1H0J1050012	C 1UF, K, 16V	1	
C2218-21	ECJ3YB1A106M	C 10UF, M,6.3V	4	
C2222	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2223	ECJ1XC1H390J	C 39PF, J, 50V	1	
C2225	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2226	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2227	ECA1CMH101	E 100UF, 16V	1	
C2228	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2229,30	ECA1CMH101	E 100UF, 16V	2	
C2231	ECA1CHG470	E 47UF, 16V	1	
C2232	F1H0J1050012	C 1UF, K, 16V	1	
C2233,34	ECJ1VB1H102K	C 1000PF, K, 50V	2	
C2235	F1H0J1050012	C 1UF, K, 16V	1	
C2236	ECA1CHG470	E 47UF, 16V	1	
C2237-40	ECJ1VB1H103K	C 0.001UF, K, 50V	4	
C2301	ECA1EHG471	E 470UF, 25V	1	
C2303	ECA1CMH101	E 100UF, 16V	1	
C2307	ECA1CMH101	E 100UF, 16V	1	
C2314	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2317	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2320	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2321	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2322	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2323,24	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2325,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2327	F1J1H474A757	C 0.47UF, 50V	1	
C2328-31	ECJ2FB1E105K	C 1UF, K, 25V	4	
C2332,33	ECA1EHG471	E 470UF, 25V	2	
C2334,35	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2336	F1J1H474A757	C 0.47UF, 50V	1	
C2337,38	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2341	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2342	ECJ2FB1E105K	C 1UF, K, 25V	1	
C2372	ECA1HHG100	E 10UF, 50V	1	
C2373	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C2374	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2380	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2382	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2385	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2387	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2393,94	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2401	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2402	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2403	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2417	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2430	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2510,11	ECJ2VF1C105Z	C 1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2517	ECJ1VB1H103K	C 0.001UF, K, 50V	1	TH-37PX60B
C2521	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3001-03	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C3021	F1J1A1050002	C 1UF, Z, 50V	1	
C3022,23	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3024-28	F1J1A1050002	C 1UF, Z, 50V	5	
C3029	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3030	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3031	F1J1A1050002	C 1UF, Z, 50V	1	
C3033	F1J1A1050002	C 1UF, Z, 50V	1	
C3035,36	F1J1A1050002	C 1UF, Z, 50V	2	
C3038	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3039	F1J1A1050002	C 1UF, Z, 50V	1	
C3040	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3041	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3043	F1J1A1050002	C 1UF, Z, 50V	1	
C3045,46	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3047	F1J1A1050002	C 1UF, Z, 50V	1	
C3048	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3049-56	F1J1A1050002	C 1UF, Z, 50V	8	
C3058	ECA1EM471	E 470UF, 25V	1	
C3059	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3062-64	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3065	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3066	F1J1A1050002	C 1UF, Z, 50V	1	
C3067	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3068	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3070	ECA1EM471	E 470UF, 25V	1	
C3071	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3072	ECA1EM471	E 470UF, 25V	1	
C3073	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3074	ECA1EM471	E 470UF, 25V	1	
C3075	ECA1CM221	E 220UF, 16V	1	
C3076	ECA1EM471	E 470UF, 25V	1	
C3207	ECA1AM102	E 1000UF, 10V	1	
C3214	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3216	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3226-28	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3230	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3233	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3241	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3262	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C3268	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3305	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3330	ECA1CM470	E 47UF, 16V	1	
C3331	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C3332	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3334	ECEA1CN470U	E 47UF, 16V	1	
C3335	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C3336	ECEA1CN470U	E 47UF, 16V	1	
C3337	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C3338	ECEA1CN470U	E 47UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3339	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C3340-42	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3701	ECJ2XC1H561K	C 560PF, K, 50V	1	
C3703	ECJ2XC1H561K	C 560PF, K, 50V	1	
C3711,12	ECJ2VF1H333Z	C 0.033UF, Z, 50V	2	
C3750,51	ECJ2XC1H102K	C 1000PF, K, 50V	2	
C4003-08	F1J0J1060004	C 0.010UF, K, 16V	6	
C4014,15	F1J0J1060004	C 0.010UF, K, 16V	2	
C4023	F1J0J1060004	C 0.010UF, K, 16V	1	
C4026	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4027	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4028	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4112	F1J0J1060004	C 0.010UF, K, 16V	1	
C4117	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4158	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4159	F1H1C104A065	C 0.1UF, K, 16V	1	
C4160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4168	ECJ1XC1H680J	C 68PF, J, 50V	1	
C4171	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4172,73	F1H1C104A065	C 0.1UF, K, 16V	2	
C4174	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4175	F1H1C104A065	C 0.1UF, K, 16V	1	
C4176	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4177	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C4178	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C4180	F1H1C104A065	C 0.1UF, K, 16V	1	
C4185,86	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C4188	F1J0J1060004	C 0.010UF, K, 16V	1	
C4189-91	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4193	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4194-97	F1H1C104A065	C 0.1UF, K, 16V	4	
C4199	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4200	EEEHB1C470P	C 47PF, J, 16V	1	
C4201	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4204	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4205,06	F1H1C104A065	C 0.1UF, K, 16V	2	
C4208,09	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4211	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4215	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4216	EEEHB1C470P	C 47PF, J, 16V	1	
C4217	F1H1C104A065	C 0.1UF, K, 16V	1	
C4218	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4219	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4224	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4227	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4228	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4235	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4244	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4245	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4248	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4253	EEEHB1C470P	C 47PF, J, 16V	1	
C4256	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4262-64	ECJ0EB1A104K	C 0.1UF, K, 10V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4266	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4269	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4272	EEEHB1C470P	C 47PF, J, 16V	1	
C4273	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4281-84	ECJ0EB1A104K	C 0.1UF, K, 10V	4	
C4287,88	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4289,90	EEEHB0J330R	C 33PF, J, 6.3V	2	
C4291,92	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4296	F1J0J1060004	C 0.010UF, K, 16V	1	
C4297	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4298-06	ECJ1VB1A105K	C 0.01UF, Z, 50V	9	
C4307-09	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4310	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4311	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4312	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4313,14	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4315	F1J0J1060004	C 0.010UF, K, 16V	1	
C4316-18	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4320-22	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4325	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4327	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4329,30	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4331	F1J0J1060004	C 0.010UF, K, 16V	1	
C4332	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4333-38	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C4339	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4340	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4341	EEEHB1C470P	C 47PF, J, 16V	1	
C4342	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4343	EEEHB1C100R	C 10PF, J, 16V	1	
C4344,45	F1J0J1060004	C 0.010UF, K, 16V	2	
C4346	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4347	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4348	EEEHB1C470P	C 47PF, J, 16V	1	
C4349	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4350,51	ECJ1XC1H181J	C 180PF, J, 50V	2	
C4352,53	ECJ1XC1H330J	C 33PF, J, 50V	2	
C4354	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4360	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4362	F1J0J1060004	C 0.010UF, K, 16V	1	
C4363,64	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4365	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4366	EEEHB1C470P	C 47PF, J, 16V	1	
C4367	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4371	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4373	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4374	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4375,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4377	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4379	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4380	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4381,82	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4383	ECJ0EB1H102K	C 1000PF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4384	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4385	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4386	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4387	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4388	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4389	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4390	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4391	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4392	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4393,94	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4395	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4396	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4397,98	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4399,00	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4401	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4402,03	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4404	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4405	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4406	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4407,08	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4409	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4410	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4411,12	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4413,14	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4415	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4417	EEEHB1C470P	C 47PF, J, 16V	1	
C4418,19	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4420,21	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4422-24	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4425,26	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4427	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4428	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4429,30	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4434	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4435	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4436-39	ECJ0EB1H102K	C 1000PF, K, 50V	4	
C4440	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4441,42	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4447	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4448	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4451	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4452	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4453,54	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4455	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4456	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4457,58	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4459	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4460	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4462	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4464	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4465	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4466	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4467	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4470	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4474	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4475,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4477	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4478	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4479-81	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4482	ECJ1XC1H180J	C 18PF, J, 50V	1	
C4483	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4493	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4494	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4496	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4497	EEEHB0G101R	C 100PF, J, 4V	1	
C4498	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4499	EEFCD0G560ER	56UF,	1	
C4501	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4502	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4503	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4504	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4505	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4506	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4507	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4508	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4509-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4512	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4513	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4514	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4515,16	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4517	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4518	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4519	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4520	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4521	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4522	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4523	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4524	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4525	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4526	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4527	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4528	EEEHB1C470P	C 47PF, J, 16V	1	
C4529	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4530,31	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4532,33	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4534	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4535	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4536	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4537	EEEHB0G101R	C 100PF, J, 4V	1	
C4538	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4539	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4540	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4541	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4543	F1H1C104A065	C 0.1UF, K, 16V	1	
C4544	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5604	ECA1HHG100	E 10UF, 50V	1	
C5605	EEUFC1E471	E 470UF, 25V	1	
C5606	ECA1CM471	E 470UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5609	ECA1HM220	E 22UF, 50V	1	
C5611	F2A1H331A257	E 330UF, 50V	1	
C5612	ECA1CM471	E 470UF, 16V	1	
C5613	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5616	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5617	ECA1CM471	E 470UF, 16V	1	
C5618,19	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C5622	ECA1CM471	E 470UF, 16V	1	
C5623	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5633	ECA1EM221	E 220UF, 25V	1	
C5637	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5641-44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C5645	ECA1CHG470	E 47UF, 16V	1	
C5646	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5647	ECA1CHG470	E 47UF, 16V	1	
C5648	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5670	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5672	ECA1HM220	E 22UF, 50V	1	
C5673	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5685	ECA1HHG100	E 10UF, 50V	1	
C5686	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C5801,02	EEUFC1E471	E 470UF, 25V	2	
C5804	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5805	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C5809	ECJ3XF1E105Z	C 1UF, Z, 25V	1	
C5810	ECA1EHG470	E 47UF, 25V	1	
C6001	F1L2J562A022	C 5600UF, K,6.3V	1	
C6011-14	F2A2T201A001	E 200UF,	4	
C6021	F1L2J562A022	C 5600UF, K,6.3V	1	
C6031	ECQE2255JF	P 2.5UF, K,250V	1	
C6041-44	TCUY1C105ZFN	C 1UF, 16V	4	
C6111,12	F2A2D221A022	E 220UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-55	F1L1E4750004	C 4.7UF, 25V	4	
C6192	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6194,95	F1L1E4750004	C 4.7UF, 25V	2	
C6201,02	F0C2E405A176	E 0.040UF, 250V	2	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213,14	ECA1EM471	E 470UF, 25V	2	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6241	ECA1EM471	E 470UF, 25V	1	
C6242	TCUY1C105ZFN	C 1UF, 16V	1	
C6243	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6251	TCUY1C105ZFN	C 1UF, 16V	1	
C6261,62	ECA2CM101	E 100UF, 160V	2	
C6271	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6272,73	EEUFC1E221	E 220UF, 25V	2	
C6401	F1L2J562A022	C 5600UF, K,6.3V	1	
C6411-14	F2A2T201A001	E 200UF,	4	
C6421	F1L2J562A022	C 5600UF, K,6.3V	1	
C6431	F0C2E405A176	E 0.040UF, 250V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6511,12	F0C2E405A176	E 0.040UF, 250V	2	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6561	F2A1A1010074	E 100UF, 10V	1	
C6563	F2A1A1010074	E 100UF, 10V	1	
C6565,66	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	TCUY1C105ZFN	C 1UF, 16V	1	
C6591	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6592	ECA1EM471	E 470UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6601,02	F1L1E4750004	C 4.7UF, 25V	2	
C6603	F1K2J102A014	C 1000UF, K,6.3V	1	
C6604	F2A2V470A020	E 47UF, 350V	1	
C6605	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6606	F1K2J102A014	C 1000UF, K,6.3V	1	
C6620	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6641	ECQE2224KF	P 2.2UF, K,250V	1	
C6661,62	F1K2J102A014	C 1000UF, K,6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6681,82	F1L1E4750004	C 4.7UF, 25V	2	
C6683	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6691	ECA2CM101	E 100UF, 160V	1	
C6701-08	ECJ2XB1H104K	C 0.1UF, K, 50V	8	
C6721	ECA1HM101	E 100UF, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	TCUY1C105ZFN	C 1UF, 16V	2	
C6728	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6754	ECA1VM470	E 47UF, 35V	1	
C6755	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6771	TCUY1C105ZFN	C 1UF, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6776,77	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	EEUFC1E221	E 220UF, 25V	1	
C6795,96	EEUFC1E221	E 220UF, 25V	2	
C6802	EEUFC1E221	E 220UF, 25V	1	
C6803	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	TCUY1C105ZFN	C 1UF, 16V	1	
C6806,07	ECA2CM101	E 100UF, 160V	2	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6812	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6822	F2A2V100A019	E 10UF, 350V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841,42	ECA2CM101	E 100UF, 160V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6910	TCUY1C105ZFN	C 1UF, 16V	1	
C6912	TCUY1C105ZFN	C 1UF, 16V	1	
C6914-18	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932-35	F1L2E105A013	E 0.10UF, 25V	4	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6954	TCUY1C105ZFN	C 1UF, 16V	1	
C6956	TCUY1C105ZFN	C 1UF, 16V	1	
C6958	TCUY1C105ZFN	C 1UF, 16V	1	
C6960	TCUY1C105ZFN	C 1UF, 16V	1	
C6962	TCUY1C105ZFN	C 1UF, 16V	1	
C6964-68	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E105A013	E 0.10UF, 25V	4	
C7108	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7110	TCUY1C105ZFN	C 1UF, 16V	1	
C7111,12	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7114	TCUY1C105ZFN	C 1UF, 16V	1	
C7115	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7116	TCUY1C105ZFN	C 1UF, 16V	1	
C7117	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7119	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7121	TCUY1C105ZFN	C 1UF, 16V	1	
C7122	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7123	TCUY1C105ZFN	C 1UF, 16V	1	
C7124	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7126	TCUY1C105ZFN	C 1UF, 16V	1	
C7127	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7134	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7137,38	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7140	TCUY1C105ZFN	C 1UF, 16V	1	
C7141	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7143	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7145	TCUY1C105ZFN	C 1UF, 16V	1	
C7146	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7148	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7203	TCUY1C105ZFN	C 1UF, 16V	1	
C7204,05	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7207	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7208	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7209	TCUY1C105ZFN	C 1UF, 16V	1	
C7210	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7212	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7214	TCUY1C105ZFN	C 1UF, 16V	1	
C7215	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7216	TCUY1C105ZFN	C 1UF, 16V	1	
C7217	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7219	TCUY1C105ZFN	C 1UF, 16V	1	
C7220	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7223	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7225	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7227	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7229	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7235	TCUY1C105ZFN	C 1UF, 16V	1	
C7236	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7238	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7240	TCUY1C105ZFN	C 1UF, 16V	1	
C7241	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7244	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8001	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8002	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8003	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8004	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8005	EEEHB1C100R	C 10PF, J, 16V	1	TH-37PX60B
C8007	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-37PX60B
C8015	ECJ1VC1H080C	C 8PF, C, 50V	1	TH-37PX60B
C8019,20	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PX60B
C8021	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-37PX60B
C8030	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8034,35	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PX60B
C8037	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8039,40	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PX60B
C8041	EEEHB0G101R	C 100PF, J, 4V	1	TH-37PX60B
C8042,43	ECJ1VC1H100C	C 10PF, C, 50V	2	TH-37PX60B
C8046-48	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-37PX60B
C8051,52	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PX60B
C8055	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PX60B
C8056	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8058-61	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-37PX60B
C8062	F1G1A1540001	C 0.15UF, K, 10V	1	TH-37PX60B PAVCCZ
C8071	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-37PX60B
C8073	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-37PX60B
C8098	ECGRL0G680ER	C 68PF, J, 4V	1	TH-37PX60B
C8099,00	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PX60B
C8101,02	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-37PX60B
C8103,04	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PX60B
C8105	EEEHB0G101R	C 100PF, J, 4V	1	TH-37PX60B
C8106,07	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-37PX60B
C8108	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8109	EEEHB0G101R	C 100PF, J, 4V	1	TH-37PX60B
C8110	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8121	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8128,29	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8134	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8135	ECJ0EB1A473K	C 0.047UF, K, 10V	1	TH-37PX60B
C8136	ECGRL0G680ER	C 68PF, J, 4V	1	TH-37PX60B
C8138	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8139	ECGRL0G680ER	C 68PF, J, 4V	1	TH-37PX60B
C8140	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8141	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8142	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8143	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8144	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8145	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8146	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8147	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8148	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8149	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-37PX60B
C8150	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8151	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8154-56	ECJ0EB1A104K	C 0.1UF, K, 10V	3	TH-37PX60B
C8157	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8161-64	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-37PX60B
C8165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8166	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8167	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8168	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8169	EEEHB0G470R	C 47PF, J, 4V	1	TH-37PX60B
C8170	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8171	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8172	EEEHB0G470R	C 47PF, J, 4V	1	TH-37PX60B
C8173-75	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-37PX60B
C8176	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8182	ECJ0EC1H121J	C 120PF, K, 50V	1	TH-37PX60B
C8186	ECJ0EC1H680J	C 680PF, K, 50V	1	TH-37PX60B
C8189	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8193	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-37PX60B
C8202,03	EEEHB1C470P	C 47PF, J, 16V	2	TH-37PX60B
C8204	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-37PX60B
C8205,06	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PX60B
C8207	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PX60B
C8208	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-37PX60B
C8210	ECJ0EB1A333K	C 0.033UF, K, 10V	1	TH-37PX60B
C8212	ECJ0EB1C223K	C 0.022UF, K, 16V	1	TH-37PX60B
C8240	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-37PX60B
C8268	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-37PX60B
C8269	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8303	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8305,06	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PX60B
C8314	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8315	ECJ2FF1A475Z	C 4.7UF, Z, 10V	1	TH-37PX60B
C8317,18	ECJ2FF1A475Z	C 4.7UF, Z, 10V	2	TH-37PX60B
C8319	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8320-23	ECJ1VB0J105K	C 1UF, K, 6.3V	4	TH-37PX60B
C8327	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PX60B
C8329	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8330,31	ECJ0EC1H181J	C 180PF, K, 50V	2	TH-37PX60B
C8332	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8334,35	ECJ0EC1H330J	C 330PF, K, 50V	2	TH-37PX60B
C8340	ECJ0EB1C682K	C 6800UF, K, 16V	1	TH-37PX60B
C8341	ECJ0EB1C822K	C 8200UF, K, 16V	1	TH-37PX60B
C8342,43	ECGRL0G680ER	C 68PF, J, 4V	2	TH-37PX60B
C8344	ECJ1VB1H332K	C 3300PF, K, 50V	1	TH-37PX60B
C8345	ECJ0EB1C153K	C 0.015UF, K, 16V	1	TH-37PX60B
C8349	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8350,51	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PX60B
C8361	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PX60B
C8372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8376	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8397	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8401	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8403,04	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PX60B
C8406	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8409	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8410	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8413,14	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PX60B
C8416,17	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PX60B
C8419	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8421	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8423	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8424	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8425	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PX60B
C8427	F2G1A101A019	E 100UF, 10V	1	TH-37PX60B PAVCCZ
C8428	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PX60B
C8430-32	ECJ0EF1C104Z	C 0.10UF, Z, 16V	3	TH-37PX60B
C8433,34	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PX60B
C8467	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C8501,02	ECJ0EC1H180J	C 180PF, K, 50V	2	TH-37PX60B
C8504	ECJ1VF1A105Z	C 1UF, Z, 10V	1	TH-37PX60B
C8506	ECJ2VF1C105Z	C 1UF, Z, 16V	1	TH-37PX60B
C8507	ECJ1XC1H102J	C 1000PF, J, 50V	1	TH-37PX60B
C8508	ECJ1XF1C334Z	C 0.33UF, Z, 16V	1	TH-37PX60B
C8509	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-37PX60B
C8870	ECJ1XC1H471J	C 470PF, J, 50V	1	TH-37PX60B
C8872	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	TH-37PX60B
C8910	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PX60B
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055-57	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9467,68	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9469	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9500-06	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C9508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9509	ECJ1VC1H200J	C 20PF, C, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9510	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9511	F1J0J1060004	C 0.010UF, K, 16V	1	
C9512	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1E272K	C 2700PF, K, 25V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	
C9823,24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9839	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9845,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847,48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880,81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9900-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	52	
C9952-54	EEFCD0G560ER	56UF,	3	
C9955-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9960-64	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9965	EEFCD0G560ER	56UF,	1	
C9966	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CB1-B8	K1MN68BA0002	68P CONNECTOR	8	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20B00155	20P CONNECTOR	1	
D31,32	K1MN55BA0094	55P CONNECTOR	2	
D1106,07	MA729	DIODE	2	
D1117	MA3036L	ZENER DIODE	1	
D1119	MA704A	DIODE	1	
D1121	MA729	DIODE	1	
D2011-14	MA111	DIODE	4	
D2119	B0BC01100001	ZENER DIODE	1	
D2300,01	MA111	DIODE	2	
D2303,04	MA111	DIODE	2	
D2309	MA111	DIODE	1	
D2510,11	MA8056-M	ZENER DIODE	2	
D2512	MA8043LTX	ZENER DIODE	1	
D2520B	LN1271RALTR	LED	1	
D2524	MA8056-M	ZENER DIODE	1	
D2525B	LN1471YTR	LED	1	TH-37PX60B
D2526	MA8056-M	ZENER DIODE	1	TH-37PX60B
D3002-12	MA8140M	ZENER DIODE	11	
D3015,16	MA8140M	ZENER DIODE	2	
D3021-23	MA111	DIODE	3	
D3024	B0BC01100001	ZENER DIODE	1	
D3025	MA8140M	ZENER DIODE	1	
D3027,28	MA8140M	ZENER DIODE	2	
D3030-32	MA8140M	ZENER DIODE	3	
D3038-40	MA8140M	ZENER DIODE	3	
D3042,43	MA8140M	ZENER DIODE	2	
D3044	MA111	DIODE	1	
D3100	MA8140M	ZENER DIODE	1	
D3334-39	MA111	DIODE	6	
D3702	MA8140M	ZENER DIODE	1	
D4019-38	EZJZ0V80008B	VARISTOR	20	
D4041	EZJZ0V80008B	VARISTOR	1	
D4044,45	EZJZ0V80008B	VARISTOR	2	
D4047,48	MA3056M	ZENER DIODE	2	
D4049-52	B0HCMM000014	DIODE	4	
D5606	B0BC01100001	ZENER DIODE	1	
D5607	B0BC6R600005	ZENER DIODE	1	
D5610	B0BC4R700007	ZENER DIODE	1	(PA)
D5610	MA3X78900L	ZENER DIODE	1	(H)
D5612	B0BC3R700006	ZENER DIODE	1	
D5618	B0BC03900015	ZENER DIODE	1	
D5634	MA111	DIODE	1	
D5635	MA3047H	ZENER DIODE	1	
D5637,38	MA152	DIODE	2	
D5639	MA3047H	ZENER DIODE	1	
D5640	MA3039H	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D5641	MA152	DIODE	1	
D5642	MA3120M	ZENER DIODE	1	
D5643	MA152	DIODE	1	
D5644	MA3068M	ZENER DIODE	1	
D5646,47	MA152	DIODE	2	
D5649	MA111	DIODE	1	
D5801	B0JCME000037	DIODE	1	
D5804	MA3120M	ZENER DIODE	1	
D5805,06	MA152	DIODE	2	
D5807	MA111	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021	B0HBSN000008	DIODE	1	
D6032	MA111	DIODE	1	
D6041	B0ECHP000003	DIODE	1	
D6051	B0ECHP000003	DIODE	1	
D6061,62	B0HBSN000008	DIODE	2	
D6071,72	B0HBSN000008	DIODE	2	
D6081,82	B0HBSN000008	DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECHP000003	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6131,32	B0ECHP000003	DIODE	2	
D6151-54	B0ECHP000003	DIODE	4	
D6191,92	B0ECHP000003	DIODE	2	
D6211	B0JCME000037	DIODE	1	
D6221	B0ECHP000003	DIODE	1	
D6222,23	MA111	DIODE	2	
D6251,52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401	B0HBSN000008	DIODE	1	
D6431,32	B0HBSP000019	DIODE	2	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461,62	B0HBSN000008	DIODE	2	
D6466	MA111	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481,82	B0HBSN000008	DIODE	2	
D6491	B0HBSP000019	DIODE	1	
D6497	MA111	DIODE	1	
D6501,02	B0ECHP000003	DIODE	2	
D6521-24	B0ECHP000003	DIODE	4	
D6581,82	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6619,20	B0HCKS000002	DIODE	2	
D6621	B0HDSM000005	DIODE	1	
D6623,24	B0HDSM000005	DIODE	2	
D6641,42	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6661	MA111	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	
D6666,67	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683,84	MA111	DIODE	2	
D6686,87	MA111	DIODE	2	
D6701,02	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723,24	B0JCME000037	DIODE	2	
D6725	B0ECHP000003	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760,61	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6801,02	B0JCME000037	DIODE	2	
D6803	MA111	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	
D6806	B0ECHP000003	DIODE	1	
D6822,23	MA111	DIODE	2	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	
D6841	B0ECHP000003	DIODE	1	
D6842,43	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0ECHP000003	DIODE	2	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0ECHP000003	DIODE	2	
D8002	MA728	DIODE	1	TH-37PX60B
D8203,04	B0JCPE000004	DIODE	2	TH-37PX60B
D8501	B0CCAB000039	DIODE	1	TH-37PX60B
D9017-19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D9300,01	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	
D9804	MA152K	DIODE	1	
D9805,06	B0JCGD000002	DIODE	2	
D9807,08	MA152K	DIODE	2	
D9809,10	B0JCGD000002	DIODE	2	
D9811	MA728	DIODE	1	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DG1	K1KY80A00011	80P CONNECTOR	1	
DG2	K1KA15B00074	15P CONNECTOR	1	
DG3	K1KY40B00003	40P CONNECTOR	1	
DG5	K1KB21BA0063	21P CONNECTOR	1	
DG7	K1KA20B00155	20P CONNECTOR	1	
DG8,G9	K1FY119D0001	CONNECTOR	2	
DG15	K1KY40B00003	40P CONNECTOR	1	
DG20	K1MN40B00045	40P CONNECTOR	1	
DG22	K1KBB0A00009	CONNECTOR	1	TH-37PX60B
DG35	K1KA07BA0047	7P CONNECTOR	1	
FL3301,02	J0HABB000003	LC FILTER	2	
FL3303-05	J0HABB000004	LC FILTER	3	
FL4010,11	J0HABH000012	LC FILTER	2	TH-37PX60B
FL4015	J0HABH000012	LC FILTER	1	TH-37PX60B
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL9300,01	F1J1E1040022	LC FILTER	2	
FL9800,01	J0HABH000013	LC FILTER	2	
FL9803,04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
FL9900-02	F1J1E1040022	LC FILTER	3	
FL9903,04	J0HABH000013	LC FILTER	2	
G1	K1KA12A00317	12P CONNECTOR	1	
G3	K1KA03BA0047	3P CONNECTOR	1	
G51	K1KA30AA0009	30P CONNECTOR	1	
GK3	K1KA03BA0061	3P CONNECTOR	1	
H1	K1KY80A00011	80P CONNECTOR	1	
H2	K1KA15A00148	15P CONNECTOR	1	
H5	K1KA15AA0288	15P CONNECTOR	1	
H6	K1KA09A00230	9P CONNECTOR	1	
H15	K1KA04AA0150	4P CONNECTOR	1	
H40	K1KA20AA0009	20P CONNECTOR	1	
H51	K1KA30AA0009	30P CONNECTOR	1	
HC01	K1KA21A00011	21P CONNECTOR	1	
HC12	K1KA09AA0190	9P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
HC15	K1KY40B00003	40P CONNECTOR	1	
HC21	K1KA08AA0193	8P CONNECTOR	1	
HC22	K1KA11AA0194	11P CONNECTOR	1	
IC1100	C3ABPG000145	IC	1	
IC1101	TVRN774-1	IC	1	
IC1102	TVRN752-3	IC	1	TH-37PV60E PAVCCZ
IC1102	TVRN758-3	IC	1	TH-37PX60B PAVCCZ
IC1103	MN103SB20RGL	IC	1	
IC1105,06	C0JBAS000128	IC	2	TH-37PX60B
IC1107	C0JBAS000128	IC	1	
IC1110	C0CBCAD00016	IC	1	
IC1111	C0EBY0000041	IC	1	
IC2103	AN77L08M	IC	1	
IC2104	C0ABBA000168	IC	1	
IC2105	AN15862A-VT	IC	1	
IC2106	C1AB00002468	IC	1	
IC2109	C1BB00000947	IC	1	
IC2302	C1AB00002451	IC	1	
IC2304	C0ABBA000168	IC	1	
IC2306	C0ABBA000168	IC	1	
IC2511	B3L000000020	IC	1	
IC3005	AN15867A-VT	IC	1	
IC3301	C0JBAZ002205	IC	1	
IC4013	C0CBCBF00009	IC	1	
IC4016	C0CBCAC00275	IC	1	
IC4018	C0CBCAC00275	IC	1	
IC4019	C1AB00002456	IC	1	
IC4022	TVRN916	IC	1	
IC4023	TVRN917	IC	1	
IC4025	C0FBBK000038	IC	1	
IC4026	C1AB00002442	IC	1	
IC4027	C0DBFFD00003	IC	1	
IC4028	C0ABBB000230	IC	1	
IC4029	C0CBCAC00282	IC	1	
IC4030	C0CBCBC00190	IC	1	
IC4032	C0DBGYY00052	IC	1	
IC4035	C0CBCAF00031	IC	1	
IC4036	C0JBAP000020	IC	1	
IC4037	MN84522-A	IC	1	
IC4038	C3ABQJ000048	IC	1	
IC5601A	N0BG2DE00001	IC	1	
IC5602	EHMDD9851	LINEAR IC	1	
IC5603	C0DBAJB00004	IC	1	
IC5604	C0DBZGC00067	IC	1	
IC5801	C0DBAZF00003	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMB00005	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561,62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721,22	C0JBAZ000994	IC	2	
IC6724,25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	
IC6801,02	C0DBEMB00005	IC	2	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-06	AN16072A-VT	IC	6	
IC6951-56	AN16072A-VT	IC	6	
IC7101-05	C0JBAZ001120	IC	5	
IC7201-05	C0JBAZ001120	IC	5	
IC8003	STV0360CT	IC	1	TH-37PX60B PAVCCZ
IC8009	C3ABQG000095	IC	1	TH-37PX60B PAVCCZ
IC8013	MN2WS0025BEA	IC	1	TH-37PX60B PAVCCZ
IC8019	TVRN789	IC	1	TH-37PX60B PAVCCZ
IC8023,24	C0DBAMH00018	IC	2	TH-37PX60B
IC8029	C0FBBK000038	IC	1	TH-37PX60B
IC8031	BA15218FDX	IC	1	TH-37PX60B
IC8034	C0DBEHG00006	IC	1	TH-37PX60B PAVCCZ
IC8042	C0EBM0000026	IC	1	TH-37PX60B
IC8213	C0JBAZ001137	IC	1	TH-37PX60B
IC8402	74LVC4245AD	IC	1	TH-37PX60B PAVCCZ
IC8404	C0JBAZ002691	IC	1	TH-37PX60B PAVCCZ
IC8405	C0ZBZ0001333	IC	1	TH-37PX60B PAVCCZ
IC8408-11	C0JBAZ002691	IC	4	TH-37PX60B PAVCCZ
IC8412	C0JBAZ001137	IC	1	TH-37PX60B
IC8501	74VHCU04MXNL	IC	1	TH-37PX60B PAVCCZ
IC8864	C0DBFFD00003	IC	1	TH-37PX60B
IC9001	TVRN807	IC	1	
IC9002	C0ZBZ0001330	IC	1	
IC9003	TVRN805-1	IC	1	
IC9007	TVRN813	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003185	IC	1	
IC9303	TVRN818	IC	1	PAVCCZ
IC9500	C1ZBZ0002599	IC	1	
IC9502	PST9128NR	IC (LOGIC)	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9503,04	C0JBAZ000856	IC	2	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZFG00066	IC	1	
IC9802,03	C0JBAZ000856	IC	2	
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
IC9900	MN84521-A	IC	1	
IC9901	C3ABQJ000051	IC	1	
JK2002,03	K4BK03A00002	AV TERMENAL	2	
JK3001	K1FB315AA001	CONNECTOR	1	
JK3002-04	K1FB121A0010	CONNECTOR	3	PAVCCZ
JK3005	K2HA307A0007	JACK	1	PAVCCZ
JK3701	K4AK23B00001	TERMINAL BOARD	1	PAVCCZ
JK8401	K1NA68B00042	68P CONNECTOR	1	TH-37PX60B PAVCCZ
JS001	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PX60B
JS012	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PX60B
JS1100-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS1109	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS2021,22	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2026	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS2031-33	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2108,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2123,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2300-03	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS2319	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3000	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3005	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3007-20	ERJ6GEY0R00	M 0 OHM, 1/10W	14	
JS3023	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3037-39	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3201	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3206	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3215	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3237	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3239	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3252	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3255	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3302-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3307-12	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3352	J0JCC0000241	CHIP INDUCTOR	1	
JS3354-59	J0JCC0000241	CHIP INDUCTOR	6	
JS3362,63	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3402,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3404,05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3704,05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3707,08	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3711-14	ERJ6GEY0R00	M 0 OHM, 1/10W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS3715	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4016,17	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4022-24	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS4025,26	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
JS4027,28	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4029	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4033-40	ERJ2GE0R00	M 0.0 OHM, J,0.063W	8	
JS4042,43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PX60B
JS4046	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PV60E
JS4047,48	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PX60B
JS4069	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4075	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
JS4077	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
JS4079	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
JS4094	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PV60E
JS4103	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PV60E
JS4104	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS4111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4116	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
JS5601	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K1	K1KY12B00001	12P CONNECTOR	1	
L008	J0JCC0000241	CHIP INDUCTOR	1	
L012	J0JCC0000241	CHIP INDUCTOR	1	
L017	J0JCC0000241	CHIP INDUCTOR	1	
L018	J0JGC0000021	CHIP INDUCTOR COIL	1	
L019	J0JCC0000241	CHIP INDUCTOR	1	TH-37PV60E
L020	J0JGC0000021	CHIP INDUCTOR COIL	1	
L021	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L1101-04	J0JHC0000078	CHIP INDUCTOR	4	
L1109	J0JHC0000078	CHIP INDUCTOR	1	
L2001,02	J0JCC0000364	CHIP INDUCTOR	2	
L2003-16	TSK1032	BEAD CHOKE	14	
L2107	TSK1032	BEAD CHOKE	1	
L2108	J0JCC0000241	CHIP INDUCTOR	1	
L2109,10	TSK1032	BEAD CHOKE	2	
L2111,12	J0JCC0000241	CHIP INDUCTOR	2	
L2115	J0JCC0000241	CHIP INDUCTOR	1	
L2117	ELESE6R8KA	PEAKING COIL	1	
L2118	EXCELDR35C	BEAD CHOKE	1	
L2123	J0JCC0000241	CHIP INDUCTOR	1	
L2178,79	J0JCC0000241	CHIP INDUCTOR	2	
L2182-87	J0JCC0000241	CHIP INDUCTOR	6	
L2204	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L2205,06	J0JCC0000241	CHIP INDUCTOR	2	
L2300-03	G0C330MA0049	PEAKING COIL	4	
L2308	TALL08N3R9MA	INDUCTION COIL	1	
L3000	G0C101K00023	PEAKING COIL	1	
L3001-03	TSK1032	BEAD CHOKE	3	
L3009	TSK1032	BEAD CHOKE	1	
L3026	TSK1032	BEAD CHOKE	1	
L3202	J0JCC0000241	CHIP INDUCTOR	1	
L3205	J0JCC0000241	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3700,01	J0JCC0000364	CHIP INDUCTOR	2	
L3707,08	TSK1032	BEAD CHOKE	2	
L4023	J0JCC0000077	CHIP INDUCTOR	1	
L4029	J0JHC0000078	CHIP INDUCTOR	1	
L4031	J0JHC0000078	CHIP INDUCTOR	1	
L4038	J0JHC0000078	CHIP INDUCTOR	1	
L4040-46	J0JHC0000078	CHIP INDUCTOR	7	
L4048	J0JHC0000078	CHIP INDUCTOR	1	
L4049	J0JBC0000080	CHIP INDUCTOR	1	
L4050,51	J0JHC0000078	CHIP INDUCTOR	2	
L4052	J0JCC0000077	CHIP INDUCTOR	1	
L4053-55	J0JHC0000078	CHIP INDUCTOR	3	
L4056,57	J0JCC0000077	CHIP INDUCTOR	2	
L4060,61	J0JCC0000077	CHIP INDUCTOR	2	
L4065,66	J0JHC0000078	CHIP INDUCTOR	2	
L4068-70	J0JHC0000078	CHIP INDUCTOR	3	
L4071	J0JBC0000080	CHIP INDUCTOR	1	
L4073	J0JHC0000078	CHIP INDUCTOR	1	
L4075,76	J0JHC0000078	CHIP INDUCTOR	2	
L4077	J0JCC0000077	CHIP INDUCTOR	1	
L4078	J0JHC0000078	CHIP INDUCTOR	1	
L5602	TALL08N2R7MA	INDUCTION COIL	1	
L5604	TALL08N2R7MA	INDUCTION COIL	1	
L5605	G0A2R7ZA0021	CHOKE COIL	1	
L5606,07	G0A220GA0002	CHOKE COIL	2	
L5608	G1C100MA0072	INDUCTION COIL	1	
L5609	G0A220GA0002	CHOKE COIL	1	
L5610	G1C470MA0077	INDUCTION COIL	1	
L5612	TALL08N2R7MA	INDUCTION COIL	1	
L5615	TALL08N150KA	INDUCTION COIL	1	
L5621	G1C330MA0234	INDUCTION COIL	1	
L5622,23	G1C150MA0234	INDUCTION COIL	2	
L5624	G1C330MA0234	INDUCTION COIL	1	
L5651	G0A220GA0002	CHOKE COIL	1	
L5801	G0C101K00023	PEAKING COIL	1	
L5802	TALL08N101KA	INDUCTION COIL	1	
L6001-03	G0C2R2JA0133	PEAKING COIL	3	PAVCCZ
L6011-13	G0C2R2KA0151	PEAKING COIL	3	PAVCCZ
L6061-68	G0ZZ00002183	PEAKING COIL	8	
L6081-88	G0ZZ00002183	PEAKING COIL	8	
L6101,02	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6104,05	J0JJC0000011	CHIP INDUCTOR	2	
L6211,12	J0JJC0000011	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271,72	G0ZZ00002183	PEAKING COIL	2	
L6401-03	G0C2R2JA0133	PEAKING COIL	3	PAVCCZ
L6411-13	G0C2R2KA0151	PEAKING COIL	3	PAVCCZ
L6461-68	G0ZZ00002183	PEAKING COIL	8	
L6472,73	G0ZZ00002183	PEAKING COIL	2	
L6481-88	G0ZZ00002183	PEAKING COIL	8	
L6591,92	G0ZZ00002183	PEAKING COIL	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6801,02	J0JJC0000011	CHIP INDUCTOR	2	
L6841	J0JJC0000011	CHIP INDUCTOR	1	
L8004	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8008	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8026	J0JHC0000035	CHIP INDUCTOR	1	TH-37PX60B
L8031-33	J0JHC0000045	CHIP INDUCTOR	3	TH-37PX60B
L8037	J0JCC0000078	CHIP INDUCTOR	1	TH-37PX60B
L8038	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8042	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8046	ELJPA1R0MFB	INDUCTION COIL	1	TH-37PX60B
L8047	G1C680MA0173	INDUCTION COIL	1	TH-37PX60B PAVCCZ
L8048	G1C330MA0173	INDUCTION COIL	1	TH-37PX60B PAVCCZ
L8049	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8051	J0JCC0000241	CHIP INDUCTOR	1	TH-37PX60B
L8055	G1C100MA0077	INDUCTION COIL	1	TH-37PX60B
L8059	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8106	ELJFA2R7JBB	CHIP INDUCTOR	1	TH-37PX60B PAVCCZ
L8145	J0JHC0000045	CHIP INDUCTOR	1	TH-37PX60B
L8501	ELJNA2R7JFB	CHIP INDUCTOR	1	TH-37PX60B
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801,02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
PA2	K1KA05AA0192	5P CONNECTOR	1	
PA5	K1KA11AA0194	11P CONNECTOR	1	
PA10	K1KA06A00452	6P CONNECTOR	1	
PA20	K1MN40A00024	40P CONNECTOR	1	
PA31-34	K1KA03AA0192	3P CONNECTOR	4	
PA40	K1KA20AA0009	20P CONNECTOR	1	
PA2100	K5H1622A0023	FUSE	1	
PA3100	K5H1622A0023	FUSE	1	
PA3104	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
PA9800	K5H4022A0023	FUSE	1	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000233	IC	3	
PC6704	B3PBA0000234	IC	1	
PC6705	B3PBA0000233	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q002	2SA207700L	TRANSISTOR	1	
Q1100-03	2SC584500L	TRANSISTOR	4	
Q1106,07	2SC584500L	TRANSISTOR	2	TH-37PX60B
Q1108	2SC584500L	TRANSISTOR	1	
Q1109,10	B1CBHD000002	FET	2	
Q1111	2SC584500L	TRANSISTOR	1	
Q1113-18	2SC584500L	TRANSISTOR	6	
Q1120-22	2SC584500L	TRANSISTOR	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q1130	2SC584500L	TRANSISTOR	1	
Q1131	B1ABCF000138	TRANSISTOR	1	
Q1134	2SC584500L	TRANSISTOR	1	
Q1135	B1ABCF000138	TRANSISTOR	1	
Q1137-43	2SC584500L	TRANSISTOR	7	
Q2001-04	2SC584500L	TRANSISTOR	4	
Q2006,07	2SC584500L	TRANSISTOR	2	
Q2009,10	2SC584500L	TRANSISTOR	2	
Q2011	2SA207700L	TRANSISTOR	1	
Q2012	2SC584500L	TRANSISTOR	1	
Q2013	2SA207700L	TRANSISTOR	1	
Q2102-05	2SA207700L	TRANSISTOR	4	
Q2106	2SC584500L	TRANSISTOR	1	
Q2108	2SC584500L	TRANSISTOR	1	
Q2112-14	2SC584500L	TRANSISTOR	3	
Q2300	2SA207700L	TRANSISTOR	1	(PA)
Q2300	2SC584500L	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(PA)
Q2302	2SC584500L	TRANSISTOR	1	
Q2303	2SD601A	TRANSISTOR	1	
Q2306,07	2SA207700L	TRANSISTOR	2	
Q2314-17	2SC584500L	TRANSISTOR	4	
Q2510,11	2SD601A	TRANSISTOR	2	
Q2518	2SD601A	TRANSISTOR	1	TH-37PX60B
Q3001	2SC584500L	TRANSISTOR	1	
Q3005	2SC584500L	TRANSISTOR	1	
Q3008	2SA207700L	TRANSISTOR	1	
Q3011	2SA207700L	TRANSISTOR	1	
Q3014,15	2SA207700L	TRANSISTOR	2	
Q3016	2SC584500L	TRANSISTOR	1	
Q3017	2SA207700L	TRANSISTOR	1	
Q3019-22	2SC584500L	TRANSISTOR	4	
Q3024	2SC584500L	TRANSISTOR	1	
Q3027-29	2SA207700L	TRANSISTOR	3	
Q3331-33	2SC2480	TRANSISTOR	3	
Q4050	2SC584500L	TRANSISTOR	1	
Q4053	2SC584500L	TRANSISTOR	1	
Q4055-59	2SA207700L	TRANSISTOR	5	
Q4061-69	2SC584500L	TRANSISTOR	9	
Q4070,71	B1MBACA00008	TRANSISTOR	2	
Q4082,83	2SK1228	FET	2	
Q4918	B1ABCF000138	TRANSISTOR	1	
Q4919	2SC584500L	TRANSISTOR	1	
Q5601	B1DHDC000028	TRANSISTOR	1	
Q5602	2SD601A	TRANSISTOR	1	
Q5603	B1DHDC000028	TRANSISTOR	1	
Q5604,05	2SD601A	TRANSISTOR	2	
Q5610	2SD601A	TRANSISTOR	1	
Q5613	2SD601A	TRANSISTOR	1	
Q5614	2SK3065T100	FET	1	
Q5641-43	2SA207700L	TRANSISTOR	3	
Q5644	2SD601A	TRANSISTOR	1	
Q6001-03	B1JADN000001	TRANSISTOR	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6021-23	B1JADN000001	TRANSISTOR	3	
Q6041,42	B1JADN000002	TRANSISTOR	2	
Q6051,52	B1JADN000002	TRANSISTOR	2	
Q6101-04	B1DFKM000002	TRANSISTOR	4	
Q6105	B1ABNF000006	TRANSISTOR	1	
Q6106	B1ADNF000006	TRANSISTOR	1	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6114	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	
Q6142	B1ADNF000006	TRANSISTOR	1	
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6171	2SD2185	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	2SD2185	TRANSISTOR	1	
Q6182	B1ADRD000001	TRANSISTOR	1	
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC3063	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	B1JADN000001	TRANSISTOR	3	
Q6421-23	B1JAEP000001	TRANSISTOR	3	
Q6441,42	B1JADN000002	TRANSISTOR	2	
Q6451,52	B1JADP000002	TRANSISTOR	2	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6531	2SD2185	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	2SD2185	TRANSISTOR	1	
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621	B1DFKM000001	TRANSISTOR	1	
Q6641,42	B1DFKM000001	TRANSISTOR	2	
Q6644,45	B1DFKM000001	TRANSISTOR	2	
Q6647,48	B1DFKM000001	TRANSISTOR	2	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671,72	B1DFET000001	TRANSISTOR	2	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681,82	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742,43	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6781	B1ABNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6801	B1BAEJ000014	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6802	2SB0709A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6804	2SD601A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q8101	2SA207700L	TRANSISTOR	1	TH-37PX60B
Q8401,02	2SD601A	TRANSISTOR	2	TH-37PX60B
Q9010	2SD601A	TRANSISTOR	1	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	
Q9049	2SB709A	TRANSISTOR	1	
Q9050-54	2SD601A	TRANSISTOR	5	
Q9055-58	B1CBHD000002	FET	4	
Q9300-02	2SD601A	TRANSISTOR	3	
Q9500	B1CBHD000002	FET	1	
Q9800,01	B1MBEDA00015	TRANSISTOR	2	
Q9803	B1MBEDA00015	TRANSISTOR	1	
Q9805,06	2SD601A	TRANSISTOR	2	
R002	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R005	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R008,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R010	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R011	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R012,13	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R014	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R1101	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1102,03	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1105,06	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1108-12	ERJ2GEJ101	M 100 OHM, J,0.063W	5	
R1113	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1114	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1116	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1118,19	EXB2HV680J	RESISTOR ARRAY	2	
R1121,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1123	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1124,25	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1128	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R1129	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PV60E
R1130	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1131,32	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1133,34	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1135	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1140,41	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R1145	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PX60B
R1146	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1147,48	D1HG5608A002	NETWORK RESISTER	2	
R1149	EXB2HV680J	RESISTOR ARRAY	1	
R1150	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PX60B
R1151	ERJ2GEJ101	M 100 OHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1153	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1154,55	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R1156	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1157	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1158	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1159	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1160	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PV60E
R1162	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PV60E
R1164	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1165	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1166,67	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-37PX60B
R1168,69	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1174	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1175	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	
R1176	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1177	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1183	EXB28V680JX	RESISTOR ARRAY	1	
R1184	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1187	EXB2HV680J	RESISTOR ARRAY	1	
R1188,89	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R1197	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1199	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1200	EXB2HV680J	RESISTOR ARRAY	1	
R1203	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1207	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1212	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1214	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1215-17	ERJ2GEJ101	M 100 OHM, J,0.063W	3	
R1218	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1220	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1221	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1222	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R1223	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1224	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1225,26	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1228	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1229	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R1230	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1231	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1232,33	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1234	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1235,36	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1238	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1239	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R1240	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1241	ERJ2GEJ822	M 8.2KOHM, J,0.063W	1	
R1243	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1246	ERJ2GEJ912	M 9.1KOHM, J,0.063W	1	
R1249	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1250	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1251,52	EXB2HV101J	RESISTOR ARRAY	2	
R1256	ERJ2GEJ102	M 1KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1259	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PX60B
R1263,64	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1270,71	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1275	ERJ3EKF7151	M7.15KOHM, 1/16W	1	
R1279,80	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1281	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1282	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1283	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1284	ERJ2GEJ682	M 6.8KOHM, J,0.063W	1	
R1290	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1292,93	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-37PX60B
R1296,97	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-37PX60B
R1298	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1299-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	TH-37PV60E
R1303-06	ERJ2GEJ220	M 22 OHM, J,0.063W	4	TH-37PX60B
R1307	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1308	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1309-12	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R1313,14	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R1315	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1316	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1318,19	ERJ2GEJ512X	M5.12KOHM, J,0.063W	2	
R1321	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1322	ERJ2GEJ100	M 10 OHM, J,0.063W	1	
R1323,24	ERJ2GEJ823	M 82KOHM, J,0.063W	2	
R1325,26	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1327,28	ERJ2GEJ683	M 68KOHM, J,0.063W	2	
R1329,30	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1331,32	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1333	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1334	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1335	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1336	ERJ2GEJ225	M 1MOHM, J,0.063W	1	
R1337	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1340	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PV60E
R1341	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1344	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1346	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1350,51	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1352	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1353	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R1354	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1355	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1358	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1359	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1360	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R1361	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1363	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1364	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1365	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1367	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1368	ERJ2GEJ183	M 18KOHM ,J,0.063W	1	
R1369	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1370	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1372	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1373	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1375	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1376	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1377	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1378	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1379	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R1380	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1381	ERJ2GEJ474	M 470KOHM, J,0.063W	1	
R1384	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1389	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1391,92	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1408	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1410	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1411	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1412,13	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1426-32	ERJ8GEY0R00	M 0 OHM, 1/8W	7	
R1436,37	ERJ2GEJ561	M 60 OHM, J,0.063W	2	
R1439	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1441	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1446,47	ERJ2GEJ471	M 470 OHM, J,0.063W	2	
R1448,49	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1451	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1452	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PV60E
R1454	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1458,59	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1466	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1467	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1470	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1472,73	ERJ2GEJ301	M 300 OHM, J,0.063W	2	
R1474	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1475	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1478	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1479	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1480	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PV60E
R1489	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1490	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PV60E
R1491	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R1526	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1530,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1554,55	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1556	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R2005	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2006-11	ERJ6GEYJ223	M 22KOHM,J,1/10W	6	
R2012	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2013,14	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R2015,16	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2018,19	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2023	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2027,28	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2031	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2033	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2035,36	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2038	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2040	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2042	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R2043	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2044	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2045,46	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2048	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2049,50	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2051,52	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R2053	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2054	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2101,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2113,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2116	J0JCC0000241	CHIP INDUCTOR	1	
R2124,25	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2126,27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2128,29	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2130	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2131	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R2132	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2133	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2135,36	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2137	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2138	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2147	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2148,49	ERJ3EKF6342	M6.34KOHM, 1/16W	2	
R2152	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2154	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2155,56	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2158	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2160	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2161	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2162	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2163	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2164	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2165,66	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R2167	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2168,69	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2170-77	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R2181	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2182,83	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2184-87	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R2188	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2190	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2192,93	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2195,96	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2197	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2199,00	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2202	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2203	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2204	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2208	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2209	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2210	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R2211	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2213	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2214	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2215	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2219	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2220	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R2224,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2227	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2228	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R2229	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2230,31	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2232,33	ERJ3GEYJ153	M 15KOHM,J,1/16W	2	
R2234,35	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2236	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2238,39	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2246	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R2302	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2303	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2304	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2305	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2306	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2307	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2310	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2310	ERJ3GEYJ184	M 180KOHM,J,1/16W	1	(H)
R2311	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2311	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	(H)
R2312	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2323,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2325	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2329	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2332	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2338	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2341	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2349	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2354	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2357	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2359	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2360	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2361	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2363	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2364	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2365	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2368	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2369	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2372,73	ERJ6GEYJ681	M 680 OHM,J,1/10W	2	
R2375	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2376	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2379,80	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R2383	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2384	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2387	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2388	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	(PA)
R2388,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	(H)
R2390	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R2391	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2392	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2393	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2396	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2397	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(H)
R2397	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2398	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	(H)
R2398	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2399	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2400	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2401,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2403	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2404,05	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2406	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2407	ERJ3EKF1241	M1.24KOHM, 1/16W	1	
R2408	ERJ3EKF1071	M1.07KOHM, 1/16W	1	
R2409	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2410	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2421	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2422	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2512	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2516	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2517	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2520	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R2521	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2524	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2539	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	TH-37PX60B
R2540	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	TH-37PX60B
R2542	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2554	ERJ6ENF75R0	M 75 OHM, 1/10W	1	TH-37PX60B
R2557	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2559	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2560	ERJ3EKF5760	M 576 OHM, 1/16W	1	
R2567	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PX60B
R2572	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PX60B
R3001,02	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3003-05	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3006-08	ERJ6ENF1500	M 150 OHM, 1/10W	3	
R3009-15	ERJ6ENF75R0	M 75 OHM, 1/10W	7	
R3016,17	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3018,19	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R3020-22	ERJ6ENF2202	M 2.2KOHM, 1/10W	3	
R3023,24	ERJ6ENF1202	M 12KOHM, 1/10W	2	
R3025	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3026	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3027,28	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3030-32	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3033,34	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3036	ERJ6ENF1500	M 150 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3041,42	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	2	
R3043	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3044,45	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3048	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R3049	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3050	ERJ3GEYJ242	M 2.4KOHM,J,1/16W	1	
R3051	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3052	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3057,58	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3059-64	ERJ3GEYJ221	M 220 OHM,J,1/16W	6	
R3068	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3070	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3072-75	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R3076	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3077	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3078	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3086-88	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3089,90	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3092	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3094-01	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R3102	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3105	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R3107	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3109	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3111-14	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3115	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3118	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3121	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3122	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3123	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3125	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3126	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3127	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3130,31	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3132,33	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3136	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3138	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3139	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3140	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3141	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3143	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3144	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3145	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3146	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3149	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3150	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3151	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3152	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3153,54	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3155	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3156	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3157	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3158,59	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3160,61	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3163	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R3206	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3213,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3215	J0JCC0000241	CHIP INDUCTOR	1	
R3222	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3227-29	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3233,34	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3238	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3239	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R3245-48	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3249	J0JCC0000241	CHIP INDUCTOR	1	
R3250-53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R3302	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3305	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3306,07	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3308,09	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3310	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3312	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3313	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3317	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3318	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3320	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3323,24	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3330	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3336	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3337	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3338	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3339	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3340	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3341	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3342	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3343	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3344	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3345	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3346	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3347	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3348,49	ERJ3GEYJ680	M 68 OHM,J,1/16W	2	
R3350,51	ERJ3GEYJ510	M 51 OHM,J,1/16W	2	
R3352	J0JCC0000241	CHIP INDUCTOR	1	
R3704	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3709-11	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3716,17	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3721	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3732	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3733	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3736-41	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R3746	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3748	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3750	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3751	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R3753	ERJ6ENF1741	M1.74KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3754	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R3755	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3757	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3758	ERJ6ENF6651	M6.65KOHM, 1/10W	1	
R3759-64	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
R3765	ERJ6ENF2321	M2.32KOHM, 1/10W	1	
R3767	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R3768	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4001	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4004	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4008	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4010	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4018	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PV60E
R4019	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4021	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4022	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4024,25	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4026,27	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R4029	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4031-33	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R4037-39	D1HG1038A002	NETWORK RESISTER	3	
R4040,41	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4045,46	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4257	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R4265	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R4269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4271,72	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4286,87	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4293	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4338-43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	6	
R4457	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4465	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R4469,70	ERJ3EKF1500	M 150 OHM, 1/16W	2	
R4472	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R4474	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4479,80	ERJ3EKF4220	M 422 OHM, 1/10W	2	
R4481	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4482,83	ERJ3EKF1781	M1.78KOHM, 1/16W	2	
R4486	ERJ3EKF4870	M 487 OHM, 1/16W	1	
R4487	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R4488	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4490	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4492	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4495	ERJ3EKF4302	M 43KOHM, 1/16W	1	
R4496-99	ERJ6GEYJ102	M 1KOHM,J,1/10W	4	
R4500	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R4501,02	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R4503	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4505	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4506	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4508	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4510	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4517	ERJ3EKF1371	M 13.7 OHM, 1/16W	1	
R4520	ERJ3EKF1691	M1.69KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4521,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4527	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4533	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4534,35	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R4544	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4550	EXB28V220J	RESISTOR ARRAY	1	
R4552	EXB28V220J	RESISTOR ARRAY	1	
R4554	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4555	EXB28V220J	RESISTOR ARRAY	1	
R4560,61	EXB28V220J	RESISTOR ARRAY	2	
R4563-65	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R4568	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4572	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4575	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4577-79	ERJ2GEJ222	M 2.2KOHM, J,0.063W	3	
R4583,84	ERJ2GEJ390	M 39 OHM, J,0.063W	2	
R4589-04	ERJ2GEJ2R7X	M 2.7OHM, J,0.063W	16	
R4605,06	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4607	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4609,10	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4612,13	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4617,18	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4619	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4620	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4621	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4622	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4624	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4626	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4628	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4629-32	ERJ2GEJ472	M 4.7KOHM, J,0.063W	4	
R4633,34	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4636	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4637	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4639	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4640	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4641	EXB28V330J	RESISTOR ARRAY	1	
R4642-45	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4647	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4648	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4655	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4657	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R4658	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4660	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4661	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4662	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4665	EXB2HV220JV	RESISTOR ARRAY	1	
R4667	EXB2HV220JV	RESISTOR ARRAY	1	
R4668	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4669	EXB2HV220JV	RESISTOR ARRAY	1	
R4672,73	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4675	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4677	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4679,80	ERJ3EKF2202	M 22KOHM, 1/16W	2	
R4681,82	ERJ3EKF3302	M 33KOHM, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4701	**ERJ2GEJ680**	**M 68 OHM, J,0.063W**	**1**	
R4706	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4708,09	**ERJ2GEJ680**	**M 68 OHM, J,0.063W**	**2**	
R4710	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4711	**ERJ2GEJ103**	**M 10KOHM, J,0.063W**	**1**	
R4712	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4713,14	**EXB2HV221JV**	**RESISTOR ARRAY**	**2**	
R4715	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4718-20	**ERJ2GEJ680**	**M 68 OHM, J,0.063W**	**3**	
R4727	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4729,30	**ERJ3EKF1000**	**M 100 OHM, 1/16W**	**2**	
R4731	**ERJ3EKF1001**	**M 1KOHM, 1/16W**	**1**	
R4732	**ERJ3EKF4751**	**M4.75KOHM, 1/16W**	**1**	
R4733	**ERJ3EKF75R0**	**M 0.75HM, 1/16W**	**1**	
R4735	**ERJ3EKF2001**	**M 2KOHM, 1/16W**	**1**	
R4737	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4738,39	**ERJ2GEJ332**	**M 3.3KOHM, J,0.063W**	**2**	
R4743-47	**ERJ2GEJ680**	**M 68 OHM, J,0.063W**	**5**	
R4749,50	**EXB2HV680J**	**RESISTOR ARRAY**	**2**	
R4751-54	**ERJ2GEJ220**	**M 22 OHM, J,0.063W**	**4**	
R4756-60	**ERJ2GEJ680**	**M 68 OHM, J,0.063W**	**5**	
R4762	**EXB2HV680J**	**RESISTOR ARRAY**	**1**	
R4763-65	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**3**	
R4772	**EXB2HV470JV**	**RESISTOR ARRAY**	**1**	
R4773	**ERJ2GEJ470**	**M 47 OHM, J,0.063W**	**1**	
R4774	**EXB2HV470JV**	**RESISTOR ARRAY**	**1**	
R4775	**ERJ2GEJ470**	**M 47 OHM, J,0.063W**	**1**	
R4776	**EXB2HV470JV**	**RESISTOR ARRAY**	**1**	
R4777	**ERJ2GEJ470**	**M 47 OHM, J,0.063W**	**1**	
R4778	**EXB2HV470JV**	**RESISTOR ARRAY**	**1**	
R4779	**ERJ2GEJ470**	**M 47 OHM, J,0.063W**	**1**	
R4782	**ERJ2GEJ220**	**M 22 OHM, J,0.063W**	**1**	
R4783	**ERJ2GEJ472**	**M 4.7KOHM, J,0.063W**	**1**	
R4784	**ERJ2GEJ220**	**M 22 OHM, J,0.063W**	**1**	
R4785	**ERJ2GEJ472**	**M 4.7KOHM, J,0.063W**	**1**	
R4788	**EXB2HV470JV**	**RESISTOR ARRAY**	**1**	
R4791,92	**ERJ2GEJ470**	**M 47 OHM, J,0.063W**	**2**	
R4793,94	**ERJ2GEJ220**	**M 22 OHM, J,0.063W**	**2**	
R4796	**EXB2HV470JV**	**RESISTOR ARRAY**	**1**	
R4804	**ERJ2GEJ101**	**M 100 OHM, J,0.063W**	**1**	
R4805,06	**ERJ3EKF1001**	**M 1KOHM, 1/16W**	**2**	
R4807-11	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**5**	
R4814	**ERJ2GEJ103**	**M 10KOHM, J,0.063W**	**1**	
R4816,17	**ERJ2GEJ223**	**M 22KOHM, J,0.063W**	**2**	
R4819	**ERJ2GEJ223**	**M 22KOHM, J,0.063W**	**1**	
R4822	**ERJ2GEJ103**	**M 10KOHM, J,0.063W**	**1**	
R4823-25	**J0JAD0000025**	**CHIP INDUCTOR**	**3**	
R4826,27	**EXB2HVR000**	**RESISTOR ARRAY**	**2**	**TH-37PX60B**
R4830,31	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**2**	**TH-37PX60B**
R4837	**ERJ2GEJ220**	**M 22 OHM, J,0.063W**	**1**	
R4838	**ERJ2GEJ112**	**M 1.1KOHM, J,0.063W**	**1**	
R4840	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	**TH-37PX60B**
R4891	**ERJ2GE0R00**	**M 0.0 OHM, J,0.063W**	**1**	
R4898	**ERJ2GEJ103**	**M 10KOHM, J,0.063W**	**1**	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4960	EXB2HV680J	RESISTOR ARRAY	1	
R4961-63	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4964	EXB2HV680J	RESISTOR ARRAY	1	
R4965,66	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4967	EXB2HV680J	RESISTOR ARRAY	1	
R4968-72	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R5601	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R5603	ERJ3EKF1542	M15.4KOHM, 1/16W	1	
R5605	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5606	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5607	ERJ3EKF4531	M4.53KOHM, 1/16W	1	
R5609	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R5611	ERJ6ENF8202	M 82KOHM, 1/10W	1	
R5612	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R5615	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R5617	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5619	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5620	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5621	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5625-27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R5632	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5633	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5634	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5635	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5637,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5639	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5640	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5641	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5642	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5643	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5644	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5645	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R5646	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R5647	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5648	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R5649	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R5650	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5652	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5653,54	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5659	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R5660	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5662	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5664	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5665	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5667-69	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R5672	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5676	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5692	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5693	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5694	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5695	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5801	ERJ3EKF8450	M 845 OHM, 1/16W	1	
R5802	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R5803	ERJ3EKF2001	M 2KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5804	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5805-08	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R5809	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5822-24	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R5826	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R5836	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R6001-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6020	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6021	ERJ14YJ150U	M 15 OHM, J,1/4W	1	
R6022	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6023-27	ERJ14YJ150U	M 15 OHM, J,1/4W	5	
R6031,32	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041-44	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6051-54	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6061,62	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6101-08	ERJ6GEYJ101	M 100 OHM,J,1/10W	8	
R6109	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6110	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6111,12	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6114	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6116	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6131,32	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6133,34	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6135,36	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6141,42	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6146,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6153,54	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6155,56	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6157-60	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	4	
R6171	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6172,73	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6181	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6182,83	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6191-94	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6195,96	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6213	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6214	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	ERJ6GEYJ203	M 20KOHM,J,1/10W	1	
R6226,27	ERJ6GEYJ163	M 16KOHM,J,1/10W	2	
R6228	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6229	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R6231	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6244	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6245	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6246	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6251	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6255	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6256	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6257	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6441-44	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6451-54	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R6474	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6477	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6503	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6504,05	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6506	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6507-09	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	3	
R6511,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6516,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6523,24	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6525,26	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6531	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6532,33	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6551	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6552,53	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6585	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6586	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6587	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6604	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6606	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6607	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6608,09	D0GF102JA047	M 1.0 KOHM,J,0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6621	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6641,42	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6644,45	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6647,48	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM,J,0.33W	1	
R6665	ERJ14YJ470	M 47 OHM,J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6673,74	D0GD5R6JA059	M 5.6 OHM,J,0.25W	2	
R6682	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6683	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6687	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6696,97	D0D32R2JA020	M 2.2 OHM,J,5W	2	
R6700-08	ERJ6GEYJ471	M 470 OHM,J,1/10W	9	
R6710-18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6721,22	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6724	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6746,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6755	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6756-58	D0GD101JA059	M 100 OHM,J,0.25W	3	
R6759	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6775,76	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6777	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6781	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6791	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6801,02	ERX1FJSR22D	M0.22 OHM, J, 1W	2	
R6806	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6807	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6808	ERG3FJS560D	M 56 OHM, J, 3W	1	
R6809	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6815	ERG2FJS183D	M 18KOHM, J, 2W	1	
R6816	ERJ6ENF1582	M15.8KOHM, 1/10W	1	
R6817	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R6821	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6825,26	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R6827	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6828	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6829,30	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6831	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R6833-35	ERJ6ENF5602	M 56KOHM, 1/10W	3	
R6836	ERJ6ENF6802	M 68KOHM, 1/10W	1	
R6837	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ14YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6844	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6845	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6846,47	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R6848	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6849,50	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862,63	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865,66	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R6867	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6869	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6886-88	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R6908,09	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6916,17	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6924	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6931-34	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6951	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6952-54	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R6958,59	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6966,67	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6974	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6981-84	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R7112	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7113,14	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7115	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7116	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7118,19	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7120	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7122-25	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7126	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7127,28	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7132-37	EXB38V470J	RESISTOR ARRAY	6	
R7139,40	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7142-45	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7146	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7149	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7151-54	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7155	EXB38V102J	RESISTOR ARRAY	1	
R7156	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7158,59	EXB38V470J	RESISTOR ARRAY	2	
R7162-67	EXB38V102J	RESISTOR ARRAY	6	
R7169	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7171-74	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7175	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7177	EXB38V102J	RESISTOR ARRAY	1	
R7179,80	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7186,87	EXB38V470J	RESISTOR ARRAY	2	
R7201-07	EXB38V470J	RESISTOR ARRAY	7	
R7208-10	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7212-15	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7216	EXB38V470J	RESISTOR ARRAY	1	
R7217	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7219	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7221	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7223-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7227	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7229	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7231	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7232-35	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7236	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7237-42	EXB38V102J	RESISTOR ARRAY	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7245	EXB38V102J	RESISTOR ARRAY	1	
R7246-49	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7250,51	EXB38V470J	RESISTOR ARRAY	2	
R7256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7258	EXB38V102J	RESISTOR ARRAY	1	
R7260	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7262-65	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7266	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7269	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7270	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7271	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8001	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8002	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-37PX60B
R8003,04	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-37PX60B
R8006	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-37PX60B
R8008	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R8010-12	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R8014,15	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8017,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8021,22	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8027	D1HG5608A002	NETWORK RESISTER	1	TH-37PX60B
R8028-30	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-37PX60B
R8033	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-37PX60B
R8034,35	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-37PX60B
R8036	ERJ3GEYJ163	M 16KOHM,J,1/16W	1	TH-37PX60B
R8038	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8039,40	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	TH-37PX60B
R8041	ERJ2GEJ154	M 150KOHM, J,0.063W	1	TH-37PX60B
R8046	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-37PX60B
R8047-50	ERJ2GEJ101	M 100 OHM, J,0.063W	4	TH-37PX60B
R8051	EXB38V330J	RESISTOR ARRAY	1	TH-37PX60B
R8052-55	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-37PX60B
R8056	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-37PX60B
R8057	ERJ2GEJ680	M 68 OHM, J,0.063W	1	TH-37PX60B
R8058	EXB38V330J	RESISTOR ARRAY	1	TH-37PX60B
R8059	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8073	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-37PX60B
R8074,75	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-37PX60B
R8076	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8078	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	TH-37PX60B
R8079	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PX60B
R8084,85	D1HG1218A002	NETWORK RESISTER	2	TH-37PX60B
R8086-88	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-37PX60B
R8101	ERJ3GEYF181	M 180 OHM,J,1/16W	1	TH-37PX60B PAVCCZ
R8104	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8106,07	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8108	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-37PX60B
R8109	ERJ3EKF2202	M 22KOHM, 1/16W	1	TH-37PX60B
R8110	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	TH-37PX60B
R8111	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8112,13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-37PX60B
R8115	ERJ3GEYF272	M 2.7KOHM, 1/16W	1	TH-37PX60B
R8117	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	TH-37PX60B
R8123	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8124	ERJ2GEJ471	M 470 OHM, J,0.063W	1	TH-37PX60B
R8127	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8132,33	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8136	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8137	ERJ2GEJ121	M 120 OHM, J,0.063W	1	TH-37PX60B
R8140,41	ERJ3EKF1001	M 1KOHM, 1/16W	2	TH-37PX60B
R8144,45	D1HG5608A002	NETWORK RESISTER	2	TH-37PX60B
R8148,49	D1HG3908A002	NETWORK RESISTER	2	TH-37PX60B
R8150-59	ERJ2GEJ390	M 39 OHM, J,0.063W	10	TH-37PX60B
R8161,62	ERJ2GEJ390	M 39 OHM, J,0.063W	2	TH-37PX60B
R8163	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8165	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8167-71	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-37PX60B
R8172	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PX60B
R8173	EXB38V560J	RESISTOR ARRAY	1	TH-37PX60B
R8175,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8183	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8184	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PX60B
R8187	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8188	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PX60B
R8193	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8195,96	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8201-04	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-37PX60B
R8215	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8216,17	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8218,19	D1HG33080001	NETWORK RESISTER	2	TH-37PX60B
R8220-22	D1HG5608A002	NETWORK RESISTER	3	TH-37PX60B
R8223	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8224,25	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8226	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-37PX60B
R8232-43	ERJ2GEJ330	M 33 OHM, J,0.063W	12	TH-37PX60B
R8244	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8245,46	ERJ2GEJ330	M 33 OHM, J,0.063W	2	TH-37PX60B
R8250	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8252-54	ERJ2GEJ330	M 33 OHM, J,0.063W	3	TH-37PX60B
R8255	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8256	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-37PX60B
R8257	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8259	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8260-63	ERJ2GEJ560	M 56 OHM, J,0.063W	4	TH-37PX60B
R8264-68	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-37PX60B
R8269	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8271	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8272	EXB38V560J	RESISTOR ARRAY	1	TH-37PX60B
R8273	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8275	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8277	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8279	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8282	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8284	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8286,87	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8290	EXB38V560J	RESISTOR ARRAY	1	TH-37PX60B
R8291,92	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8310-15	ERJ3EKF75R0	M 0.75HM, 1/16W	6	TH-37PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8319	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-37PX60B
R8320	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-37PX60B
R8321	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-37PX60B
R8349	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PX60B
R8350	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-37PX60B
R8351	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-37PX60B
R8352	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-37PX60B
R8353	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-37PX60B
R8354	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-37PX60B
R8355,56	EXB2HV104JV	RESISTOR ARRAY	2	TH-37PX60B
R8357,58	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-37PX60B
R8366	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8367,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8372-76	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-37PX60B
R8401	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-37PX60B
R8402	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PX60B
R8403	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8404,05	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8406	ERJ8RSJR10	M 1 OHM, 1/8W	1	TH-37PX60B
R8407	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-37PX60B
R8414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8415,16	ERJ2GEJ223	M 22KOHM, J,0.063W	2	TH-37PX60B
R8417,18	EXB38V473J	RESISTOR ARRAY	2	TH-37PX60B
R8419,20	EXB38V101J	RESISTOR ARRAY	2	TH-37PX60B
R8421	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PX60B
R8422	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PX60B
R8423	ERJ2GEJ821	M 820 OHM, J,0.063W	1	TH-37PX60B
R8425,26	EXB38V101J	RESISTOR ARRAY	2	TH-37PX60B
R8427-31	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-37PX60B
R8433,34	EXB38V560J	RESISTOR ARRAY	2	TH-37PX60B
R8443	EXB38V560J	RESISTOR ARRAY	1	TH-37PX60B
R8444	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PX60B
R8445,46	ERJ2GEJ151	M 150 OHM, J,0.063W	2	TH-37PX60B
R8447	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PX60B
R8448	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PX60B
R8449,50	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8451	EXB38V104J	RESISTOR ARRAY	1	TH-37PX60B
R8452	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PX60B
R8453	EXB38V104J	RESISTOR ARRAY	1	TH-37PX60B
R8454	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PX60B
R8456-59	EXB38V560J	RESISTOR ARRAY	4	TH-37PX60B
R8460	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PX60B
R8461	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8462,63	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PX60B
R8464	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8465	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8466	EXB38V560J	RESISTOR ARRAY	1	TH-37PX60B
R8467,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8469	EXB38V151J	RESISTOR ARRAY	1	TH-37PX60B
R8474	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8475,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8477,78	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PX60B
R8479	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-37PX60B
R8480-82	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-37PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8483	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-37PX60B
R8484	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PX60B
R8485	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-37PX60B
R8486	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PX60B
R8487	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PX60B
R8488	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8489	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-37PX60B
R8491	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-37PX60B
R8492	ERJ3EKF1802	M 18KOHM, 1/16W	1	TH-37PX60B
R8493	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-37PX60B
R8494	ERJ3EKF9101	M 9.1KOHM, 1/16W	1	TH-37PX60B
R8495	EXB38V151J	RESISTOR ARRAY	1	TH-37PX60B
R8496	EXB38V560J	RESISTOR ARRAY	1	TH-37PX60B
R8497	ERJ3EKF3300	M 330 OHM, 1/16W	1	TH-37PX60B
R8498	ERJ3EKF2200	M 220 OHM, 1/16W	1	TH-37PX60B
R8499	ERJ3EKF2432	M24.3KOHM, 1/16W	1	TH-37PX60B
R8500	ERJ3EKF1052	M10.5KOHM, 1/16W	1	TH-37PX60B
R8501	ERJ3EKF5601	M 5.6KOHM, 1/16W	1	TH-37PX60B
R8502	ERJ3EKF2402	M 24KOHM, 1/16W	1	TH-37PX60B
R8503,04	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PX60B
R8505	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PX60B
R8538,39	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-37PX60B
R8546	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-37PX60B
R8547	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-37PX60B
R8601	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PX60B
R8602-04	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-37PX60B
R8605,06	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-37PX60B
R8608	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-37PX60B
R8610	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-37PX60B
R8611	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PX60B
R8614	ERJ2GEJ221	M 220 OHM, J,0.063W	1	TH-37PX60B
R8615	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8701-08	ERJ2GEJ560	M 56 OHM, J,0.063W	8	TH-37PX60B
R8729-36	ERJ2GEJ103	M 10KOHM, J,0.063W	8	TH-37PX60B
R8827,28	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-37PX60B
R8831,32	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PX60B
R8862-64	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	TH-37PX60B
R8899,00	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PX60B
R8912	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8927	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8930	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8931,32	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-37PX60B
R8933,34	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PX60B
R8936	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8954	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PX60B
R8960	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PX60B
R8962-64	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-37PX60B
R8967,68	EXB2HV473JV	RESISTOR ARRAY	2	TH-37PX60B PAVCCZ
R8969-71	ERJ2GEJ473	M 47KOHM,J,0.063W	3	TH-37PX60B
R9060-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	8	
R9074	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9096	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9098	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9099	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9100,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9105	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9110,11	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9127	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9140	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9152,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9158,59	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9160,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9162	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9164-66	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9167,68	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9178	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9179	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9181-84	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9203	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9206,07	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9215	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9232	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9317	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	
R9348	D1HG8208A002	NETWORK RESISTER	1	
R9349	EXB38V820J	RESISTOR ARRAY	1	
R9350,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9352	EXB38V820J	RESISTOR ARRAY	1	
R9353,54	D1HG8208A002	NETWORK RESISTER	2	
R9355,56	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9357-59	D1HG8208A002	NETWORK RESISTER	3	
R9360	EXB38V820J	RESISTOR ARRAY	1	
R9361,62	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9367	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9368	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9379	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9380	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9382	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9390	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9391	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9394	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9395	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9501	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9511-13	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9514	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9516	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9518	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9522-25	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9527,28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529,30	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9538	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9540	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9543,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM,J,1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9552	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9555	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9808	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R9821	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9823-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9830,31	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838,39	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9842-44	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9846,47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9861-63	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9864,65	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9905	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9917,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9919,20	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9922	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9929	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9936-39	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9940	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9941,42	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9943-51	EXB38V470J	RESISTOR ARRAY	9	
R9952-55	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9956	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
RM2501	PNA4701M05TV	REMOTE RECEIVER	1	
RTL	TZTNP01BKTB	CIRCUIT BOARD D	1	PAVCCZ ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TNPA3740AB	CIRCUIT BOARD XV	1	TH-37PX60B PAVCCZ ⚠
RTL	TNPA3756CB	CIRCUIT BOARD DG	1	TH-37PV60E PAVCCZ ⚠
RTL	TNPA3756CH	CIRCUIT BOARD DG	1	TH-37PX60B PAVCCZ ⚠
RTL	TNPA3759AB	CIRCUIT BOARD H	1	PAVCCZ ⚠
RTL	TNPA3766	CIRCUIT BOARD HC	1	PAVCCZ ⚠
RTL	TNPA3767	CIRCUIT BOARD TA	1	TH-37PV60E PAVCCZ ⚠
RTL	TNPA3767AB	CIRCUIT BOARD TA	1	TH-37PX60B PAVCCZ ⚠
RTL	TNPA3761AC	CIRCUIT BOARD PA	1	⚠
RTL	TNPA3802AB	CIRCUIT BOARD C1	1	PAVCCZ ⚠
RTL	TNPA3803AB	CIRCUIT BOARD C2	1	PAVCCZ ⚠
RTL	TNPA3912	CIRCUIT BOARD P	1	PAVCCZ ⚠
RTL	TNPA3814AE	CIRCUIT BOARD SC	1	PAVCCZ ⚠
RTL	TNPA3809AB	CIRCUIT BOARD SD	1	PAVCCZ ⚠
RTL	TNPA3815AE	CIRCUIT BOARD SS	1	PAVCCZ ⚠
RTL	TNPA3808AB	CIRCUIT BOARD SU	1	PAVCCZ ⚠
RTL	TNPA3764AE	CIRCUIT BOARD G	1	PAVCCZ ⚠
RTL	TNPA3848AD	CIRCUIT BOARD GK	1	⚠
RTL	TNPA3762AC	CIRCUIT BOARD K	1	TH-37PV60E PAVCCZ ⚠
RTL	TNPA3762AD	CIRCUIT BOARD K	1	TH-37PX60B PAVCCZ ⚠
RTL	TNPA3763AC	CIRCUIT BOARD S	1	⚠
S1	K1KA03BA0061	3P CONNECTOR	1	
SC2	K1KA02A00626	2P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41,42	K1ML80B00001	80P CONNECTOR	2	
SC45,46	K1KA09A00239	9P CONNECTOR	2	
SD1-D3	K1MNC0B00002	CONNECTOR	3	PAVCCZ
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41A-4A	K1MN13B00020	13P CONNECTOR	4	
SU1-U3	K1MNC0B00002	CONNECTOR	3	PAVCCZ
SU45	K1KB09A00045	9P CONNECTOR	1	
SW2500	K0F162B00002	SWITCH	1	
SW3753-57	EVQ11G05R	SWITCH	5	
T6602	ETS25AZ139AD	SWITCHING TRANS	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
TA5	K1KB15B00013	15P CONNECTOR	1	
TA6	K1KB09B00019	9P CONNECTOR	1	
TU001	ENG37A12GF	TUNER	1	TH-37PV60E ⚠
TU001	ENGF7301GF	TUNER	1	TH-37PX60B PAVCCZ ⚠
TU8001	ENV57M01D8F	TUNER	1	TH-37PX60B PAVCCZ ⚠
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
X1100	H0J100500030	CRYSTAL	1	
X1101	H0J327200114	CRYSTAL	1	
X2101	H0J184500027	CRYSTAL	1	
X4004	H0J270500087	CRYSTAL	1	
X8003	H0J241500003	CRYSTAL	1	TH-37PX60B PAVCCZ
X8006	H0J270500090	CRYSTAL	1	TH-37PX60B PAVCCZ
X9000	H2D200500011	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
XV01	K1KAB0A00011	CONNECTOR	1	TH-37PX60B
ZA2101-08	TESA169	SHIELD CLIP	8	
ZA2300,01	K4CZ01000027	COMPATIBLE WITH JALCO K9	2	
ZA3401-05	K4CZ01000027	COMPATIBLE WITH JALCO K9	5	
ZA3701	K4CD01000013	TERMINAL	1	
ZA4001,02	K4CD08000002	TERMINAL	2	
ZA6001,02	K4CD01000011	TERMINAL	2	
ZA6005	K4CD01000011	TERMINAL	1	
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-04	K4CD01000013	TERMINAL	4	
ZA7201-04	K4CD01000013	TERMINAL	4	
ZA9001	K4CD01000011	TERMINAL	1	
C402	F1J1C1050011	C 1UF, Z, 50V	1	
C404	F0CAF105A021	C 1UF, 250V	1	⚠
C407	EEUEB2W220B	E 22UF, 450V	1	⚠
C408	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C409	F0CAF225A021	C 22UF, 250V	1	⚠
C410	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C413	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C414	ECQU2A473ML	P 0.047UF, M,250V	1	⚠
C421	F1J1C1050011	C 1UF, Z, 50V	1	
C422	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429	F1E2J4730001	C 0.047PF, , 600V	1	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432	F1J1C1050011	C 1UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C433	ECJ3XB1E104K	C 0.1UF, K, 25V	1	
C434	F1J1C1050011	C 1UF, Z, 50V	1	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446,47	F2B2W2010001	C 200UF, 450V	2	⚠
C450	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF,J,1.2KV	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C467	ECKCNA221KB7	C 220PF, M,	1	⚠
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C469	ECKCNA221KB7	C 220PF, M,	1	⚠
C470	F0CAF105A021	C 1UF, 250V	1	⚠
C473,74	ECKCNA101KB7	C 100PF	2	⚠
C476	ECKCNA101KB7	C 100PF	1	⚠
C478	ECKCNA101KB7	C 100PF	1	⚠
C493	ECA1HM470	E 47UF, 50V	1	
C494	F2A2E1R00008	E 1.0UF, 250V	1	
C497	ECA1HM470	E 47UF, 50V	1	
C501,02	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C503	ECJ2XC1H471J	C 470PF, J, 50V	1	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506,07	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C508	ECJ2XC1H471J	C 470PF, J, 50V	1	
C509	ECA1EHG101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	F2A1A1220011	E 1200UF, 10V	1	
C516	ECJ2XB1C474K	C 0.47UF, Z, 16V	1	
C517	F2A1E221A096	E 220UF, 25V	1	
C518	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C519	F1J1C1050011	C 1UF, Z, 50V	1	
C520	ECWH8683RHV	P 0.068PF, J, 8KV	1	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C526	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C531	ECJ3YB1E105K	C 1UF, K, 25V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C550	ECJ2XC1H331J	C 330PF, J, 50V	1	
C551,52	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C554	F1J1C1050011	C 1UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C555	F2A2C101A120	E 1000UF, 160V	1	⚠
C556,57	EEUFC1E152	E 1500UF, 25V	2	
C558	F2A1E471A096	E 470UF, 25V	1	
C559	F2A1A1220011	E 1200UF, 10V	1	
C562	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C571	ECJ2XC1H330J	C 33PF, J, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	F2A2A330A022	E 33UF, 100V	1	⚠
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584,85	ECJ2XB1H223K	C 0.022UF, K, 50V	2	
C587	ECJ2XB1H332K	C 3300PF, K, 50V	1	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECJ2FB1E105K	C 1UF, K, 25V	1	
C604,05	F2A2D1510008	E 150UF, 200V	2	⚠
C607	F1J1C1050011	C 1UF, Z, 50V	1	
C608	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2T1420003	E 1400UF, 220V	1	⚠
C612,13	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C615	F2B2T1420003	E 1400UF, 220V	1	⚠
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C625	ECA1HM100	E 10UF, 50V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C627	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C629-31	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C632	ECJ2XC1H331J	C 330PF, J, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	
C650	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C653	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C654	ECJ3YB1E105K	C 1UF, K, 25V	1	
C655,56	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C657	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C658	ECJ3YB1E105K	C 1UF, K, 25V	1	
C659	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C660	ECJ2FB1C225K	C 22UF, K, 16V	1	
C661,62	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
D401	B0FBAT000006	DIODE	1	⚠
D404	B0EBKT000007	DIODE	1	⚠
D407	MA111	DIODE	1	
D411	B0BB17000009	DIODE	1	
D412	B0HAMM000122	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D415	B0JAME000099	DIODE	1	
D416	B0HAMP000067	DIODE	1	
D417	B0HAPR000013	DIODE	1	
D418	B0BC8R100013	DIODE	1	
D419,20	B0HAPR000013	DIODE	2	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D429	ERA15-10	DIODE	1	
D430	MA111	DIODE	1	
D431,32	B0JCDD000002	DIODE	2	
D433	B0BC01400033	DIODE	1	
D435	ERA15-10	DIODE	1	
D436-38	MA4200M	ZENER DIODE	3	
D441	B0HAMM000122	DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA4360H	ZENER DIODE	1	
D501	B0HAPR000012	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000099	DIODE	1	
D506	MAZ80470LL	ZENER DIODE	1	
D507,08	B0BC7R400023	DIODE	2	
D509	B0JANG000018	DIODE	1	
D511	B0JAML000011	DIODE	1	
D512,13	MA111	DIODE	2	
D514	B0BC6R100025	DIODE	1	
D515	B0BC3R200008	DIODE	1	
D516-18	MA4330M	ZENER DIODE	3	
D520	MA111	DIODE	1	
D521	B0JAME000099	DIODE	1	
D528,29	MA153	DIODE	2	
D530	B0BC9R900013	DIODE	1	
D531	B0HBSN000013	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSG000026	DIODE	1	
D538	B0BC5R100039	DIODE	1	
D539,40	B0AARR000010	DIODE	2	
D542	MA4200M	ZENER DIODE	1	
D543	B0BC01400033	DIODE	1	
D544,45	MA4200M	ZENER DIODE	2	
D549	B0BC02500008	DIODE	1	
D551	B0BC01300033	DIODE	1	
D555	B0BC7R400023	DIODE	1	
D559	B0BC7R400023	DIODE	1	
D563	B0BC6R100025	DIODE	1	
D569-72	B0BC02500008	DIODE	4	
D574	MA165	DIODE	1	
D575	MA188	DIODE	1	
D579	MA165	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D585	B0BC7R400023	DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
D588	B0BC3R200008	DIODE	1	
D590	B0BC3R200008	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D596	ERA15-10	DIODE	1	
D598	B0BC5R100039	DIODE	1	
D599	B0JCND000009	DIODE	1	
D600	B0BC7R400023	DIODE	1	
D601	B0BC5R100039	DIODE	1	
D602	B0BC8R100013	DIODE	1	
F410	K5G102B00020	FUSE	1	⚠
IC401	CNC1S171R	IC	1	⚠
IC402	C0DAEMB00004	IC	1	
IC403-05	CNC1S171R	IC	3	⚠
IC406	C0DAZZZ00021	IC	1	
IC408	CNC1S171R	IC	1	⚠
IC409	MIP2G40MPSCF	IC	1	⚠
IC410	CNC1S171R	IC	1	⚠
IC411	C0DAEMB00004	IC	1	
IC412	CNC1S171R	IC	1	⚠
IC501	C2ABDB000108	IC	1	
IC502	C0EBH0000210	IC	1	
IC504	C0DAEMB00004	IC	1	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	
IC507	CNC1S171R	IC	1	
IC509	C0DABZZ00010	IC	1	
IC510	C0DBAZG00034	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	LSSK0062	IC	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00004	CHOKE COIL	2	⚠
L410	ELF17N004A	LINE FILTER	1	⚠
L510	EXCELDR25C	BEAD CHOKE	1	
L511	G0A470ZA0033	CHOKE COIL	1	
L512	ELESE4R7JA	PEAKING COIL	1	
L513	EXCELDR25C	BEAD CHOKE	1	
L514	G0A100GA0013	CHOKE COIL	1	
P2	K1KA02A00626	2P CONNECTOR	1	
P5	K1KA11AA0194	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06A00452	6P CONNECTOR	1	
P11	K1KA02A00626	2P CONNECTOR	1	
P12	K1KA10AA0194	10P CONNECTOR	1	
P23	K1KA03AA0193	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
PMM1	TMM7464-2	CLAMPER	1	
PMM2,M3	TMME088	CLAMPER	2	
PMM4-M6	TMM7464-2	CLAMPER	3	
PMM7	TMME047	CLAMPER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
PR401	K5Y502BA0001	FUSE	1	⚠
PR505	K5H5022A0023	FUSE	1	⚠
PR509	ERBSE0R50U	FUSE	1	⚠
PR601	K5G312B00012	FUSE	1	⚠
Q401	B1CHND000004	TRANSISTOR	1	
Q402	B1DFDD000019	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q407	B1HFCFA00021	TRANSISTOR	1	
Q408,09	B1DHCD000034	TRANSISTOR	2	
Q413	B1DEGQ000070	TRANSISTOR	1	⚠
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q434	B1CEJQ000003	eds	1	
Q501,02	2SD1820A	TRANSISTOR	2	
Q505	B1CEJQ000002	eds	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	B1HBCFA00033	TRANSISTOR	1	
Q509	B1HDCEA00001	TRANSISTOR	1	
Q510	B1DHBD000005	TRANSISTOR	1	
Q512	B1CBGD000001	FET	1	
Q517	B1HBCFA00033	TRANSISTOR	1	
Q520	B1HBCFA00033	TRANSISTOR	1	
Q521	B1CBGD000001	FET	1	
Q524	B1CFGF000008	TRANSISTOR	1	
Q525	B1CBGD000001	FET	1	
Q527	B1CERL000005	TRANSISTOR	1	
Q530	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q537	B1DFDD000019	TRANSISTOR	1	
Q538	B1CBGD000001	FET	1	
Q540	B1DHCD000034	TRANSISTOR	1	
Q541	B1CBGD000001	FET	1	
Q551	B1CBGD000001	FET	1	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHCD000034	TRANSISTOR	1	
Q555,56	B1DFGD000045	TRANSISTOR	2	
Q557-59	2SD1819A	TRANSISTOR	3	
Q561	2SD1819A	TRANSISTOR	1	
Q563	B1CFGF000008	TRANSISTOR	1	
Q564,65	2SB1218ARL	TRANSISTOR	2	
Q566	2SD1819A	TRANSISTOR	1	
Q568	B1CHGD000006	TRANSISTOR	1	
Q569	B1CBGD000001	FET	1	
R401	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R402	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R403	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R404	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R406	ERX12SJ2R2V	M 2.2 OHM, J,1/2W	1	
R407	ERJ8ENF4303	M 43KOHM, 1/8W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R410	D1F5100E0003	CHIP RESISTOR	1	⚠
R412	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R413	D1F5100E0003	CHIP RESISTOR	1	⚠
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R416	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R420	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R422	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R423	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R434	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R435	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERG12SJ120	M 12 OHM, J,1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R448,49	D0XGR08J0001	M 0.08OHM,J, 5W	2	
R450	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R453	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R455	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R456	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R459	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R461	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R467	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R471	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J,1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R478	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R480	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R483	D0BF225JA030	M 22MOHM,J,0.05W	1	⚠
R487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R488	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R492	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R493	ERG12SJ120	M 12 OHM, J,1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R498	ERG3SJ101	M 100 OHM, J, 3W	1	
R499	D0BF394JA029	M 390KOHM,J,0.05W	1	⚠
R501	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J,1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R523	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R524	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R528	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R529	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R530	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R532	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R533	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R534	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R535,36	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R537	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R539	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R540,41	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R542	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R543	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R547	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R548	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R549	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R550	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R551	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R552	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R553	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R554	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R557	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R558	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R559	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R560	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R561	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R562	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R563	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R564	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R565,66	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R567,68	ERJ8ENF1004	M 100KOHM, 1/8W	2	
R569	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R570	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R571	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R572,73	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R574	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R575	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R576	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R577,78	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R579	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R580,81	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R584	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R585	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R586	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R587	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R588	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R589,90	ERJ8GEYJ123	M 12KOHM, J,1/8W	2	
R591	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R595	ERJ8GEYJ222	M 2.2KOHM, J,1/8W	1	
R596	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R597,98	ERJ6ENF3302	M 33KOHM, 1/10W	2	
R599,00	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R601	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R602	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R603	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R606	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R607	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R608	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R609	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R610,11	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R612	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R613	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R614	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R615	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R616,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R618	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R619	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R620	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R621	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R622	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R624	ERX2SJR22	M0.22 OHM, J, 2W	1	
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ752	M 7.5KOHM,J,1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R630	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R631	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R633	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R634	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R638	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R641	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R642-44	ERJ8RQJR39	M0.39 OHM, 1/8W	3	
R645	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R646,47	ERJ8GEYJ223	M 22KOHM, J,1/8W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R651,52	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R653	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R654	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R655	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R656	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R657	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R658	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R659	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
R662	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R664	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R665	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
R666	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R667,68	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R669	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R670	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R671	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R672,73	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R674	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R675	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R676	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R677	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R678	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R679,80	ERJ8RSJR16V	M 16 OHM, 1/8W	2	
R682	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R683	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R685,86	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R687	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R688,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R690	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R691	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R692	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R693	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R695	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R696	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	
R697	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R698	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R699-08	ERJ8GEYJ105	M 1MOHM, J,1/8W	10	
R711	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R712	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R713	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R714	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R715	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R921	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R931	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R932	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R933	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R935	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R936	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R937	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R938	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R939,40	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R943	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R945	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R946	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R947	ERJ8GEYJ331	M 330 OHM, J,1/8W	1	
R950	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R951,52	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R953	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R955	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R956	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
RL402,03	TSEH8011	RELAY	2	⚠
S401,02	J0LT00000009	SWITCH	2	⚠
T401	G4D4A0000119	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	⚠
T404	ETS42LA12GAD	SWITCHING TRANS	1	⚠
T407	ETQ11K5AZ	CHOKE TRANS	1	⚠
T410	ETS25AF115AH	SWITCHING TRANS	1	⚠
T601	G4D2A0000264	SWITCHING TRANS	1	
W9,10	J0JKB0000037	FLAT CORE	2	
X501	H2B400400021	CRYSTAL	1	
Z1,Z2	K4ZZ01000206	TERMINAL	2	
Z420	TMM23417	CLAMPER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Z450-53	**EYF52BCY**	**FUSE HOLDER**	**4**	
ZN401	**ERZVGED621T2**	**VARISTOR**	**1**	⚠
ZN402	**D4EAD7510001**	**VARISTOR**	**1**	⚠
ZN404	**ERZVGAD681T2**	**VARISTOR**	**1**	⚠
ZN405-06	**ERZVA7D511**	**VARISTOR**	**2**	⚠

16.3. Electrical Replacement Parts List (42inch)

Note:

All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	⚠
C001	ECA0JM102	E 1000UF, 6.3V	1	
C002,03	ECA1HM100	E 10UF, 50V	2	
C007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C009	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1MN20BA0231	20P CONNECTOR	1	
C013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C018,19	ECJ1VC1H330J	C 33PF, J, 50V	2	
C020	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C021	ECJ1XC1H101J	C 100PF, J, 50V	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1MN20BA0231	20P CONNECTOR	1	
C23	K1KA12BA0107	12P CONNECTOR	1	
C1100	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1102	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1103	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1105	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1106	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1107	EEEHB0G101R	C 100PF, J, 4V	1	
C1109-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C1112	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1114	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1116	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1118-23	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1125	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1127-32	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1133,34	ECJ1XC1H150J	C 15PF, J, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1135-42	ECJ0EB1A104K	C 0.1UF, K, 10V	8	
C1144-50	ECJ0EB1A104K	C 0.1UF, K, 10V	7	
C1152	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1153	EEEHB0G101R	C 100PF, J, 4V	1	
C1154	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1155	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1156,57	ECJ1XC1H220J	C 22PF, J, 50V	2	
C1158	F1J0J1060004	C 0.010UF, K, 16V	1	
C1159	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1160	EEEHB1C470P	C 47PF, J, 16V	1	
C1161	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1162	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1167,68	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C1170,71	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PX60B
C1172	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1177	ECJ1VB1A334K	C 0.1UF, K, 16V	1	
C1178	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1180,81	ECJ1VB1H221K	C 220UF, K, 50V	2	
C1186	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1190	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1212	ECJ1XC1H151J	C 150PF, J, 50V	1	
C1219,20	EEEHP1C100R	C 10PF, J, 16V	2	
C1221	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C1222,23	F1J0J1060004	C 0.010UF, K, 16V	2	
C1226	F1J0J1060004	C 0.010UF, K, 16V	1	
C1227	ECJ0EB1H101K	C 100PF, K, 50V	1	
C1228-34	EEEHB1C470P	C 47PF, J, 16V	7	
C1294	ECJ1XC1H330J	C 33PF, J, 50V	1	
C2005-18	ECJ1XC1H561J	C 560PF, J, 50V	14	
C2019	ECA1CM221	E 220UF, 16V	1	
C2020	ECA1HM220	E 22UF, 50V	1	
C2021,22	ECJ1XC1H561J	C 560PF, J, 50V	2	
C2103,04	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2111	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2116	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2118,19	ECEA1CN470U	E 47UF, 16V	2	
C2122,23	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2125,26	ECJ1VB1H102K	C 1000PF, K, 50V	2	
C2127	ECA1CMH101	E 100UF, 16V	1	
C2128	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2129,30	F1J1A1050002	C 1UF, Z, 50V	2	
C2131	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2132	EEEHB1C100R	C 10PF, J, 16V	1	
C2133,34	ECJ1XC1H470J	C 47PF, J, 50V	2	
C2139-43	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C2144,45	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2146	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2147	ECA1HM220	E 22UF, 50V	1	
C2148-50	ECJ2FB1C105K	C 1UF, K, 16V	3	
C2152	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2153	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2154	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2155	ECJ2FB1C105K	C 1UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2156	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2157	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2158	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2159,60	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2161	ECA1CMH101	E 100UF, 16V	1	
C2162-69	ECJ2FB1C105K	C 1UF, K, 16V	8	
C2170-72	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C2173	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2174	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2175-77	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C2178,79	EEEHB1C100R	C 10PF, J, 16V	2	
C2181	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2183	EEEHB1H3R3R	C 3.3PF, J, 50V	1	
C2184,85	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C2189,90	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2191	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2192	EEEHB1C100R	C 10PF, J, 16V	1	
C2193,94	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2195	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2196	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2197	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	
C2198	EEEHB0J101P	C 100PF, J, 6.3V	1	
C2199	ECJ1VC1H560J	C 56PF, J, 50V	1	
C2200	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2201	ECJ1XC1H030C	C 3PF, C, 50V	1	
C2202	ECJ1XC1H050C	C 5PF, C, 50V	1	
C2203	ECJ1VC1H100C	C 10PF, C, 50V	1	
C2204	ECJ1XC1H220J	C 22PF, J, 50V	1	
C2211	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C2213	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
C2217	F1H0J1050012	C 1UF, K, 16V	1	
C2218-21	ECJ3YB1A106M	C 10UF, M,6.3V	4	
C2222	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2223	ECJ1XC1H390J	C 39PF, J, 50V	1	
C2225	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2226	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2227	ECA1CMH101	E 100UF, 16V	1	
C2228	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2229,30	ECA1CMH101	E 100UF, 16V	2	
C2231	ECA1CHG470	E 47UF, 16V	1	
C2232	F1H0J1050012	C 1UF, K, 16V	1	
C2233,34	ECJ1VB1H102K	C 1000PF, K, 50V	2	
C2235	F1H0J1050012	C 1UF, K, 16V	1	
C2236	ECA1CHG470	E 47UF, 16V	1	
C2237-40	ECJ1VB1H103K	C 0.001UF, K, 50V	4	
C2243	ECA1CHG470	E 47UF, 16V	1	
C2301	ECA1EHG471	E 470UF, 25V	1	
C2303	ECA1CMH101	E 100UF, 16V	1	
C2307	ECA1CMH101	E 100UF, 16V	1	
C2314	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2317	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2320	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2321	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2322	ECJ2FB1A105K	C 1UF, K, 10V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2323,24	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2325,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2327	F1J1H474A757	C 0.47UF, 50V	1	
C2328-31	ECJ2FB1E105K	C 1UF, K, 25V	4	
C2332,33	ECA1EHG471	E 470UF, 25V	2	
C2334,35	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2336	F1J1H474A757	C 0.47UF, 50V	1	
C2337,38	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2341	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2342	ECJ2FB1E105K	C 1UF, K, 25V	1	
C2372	ECA1HHG100	E 10UF, 50V	1	
C2373	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C2374	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2380	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2382	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2385	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2387	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2393,94	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2401	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2402	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2403	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2417	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2430	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2510,11	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2517	ECJ1VB1H103K	C 0.001UF, K, 50V	1	TH-42PX60B
C2521	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3001-03	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C3021	F1J1A1050002	C 1UF, Z, 50V	1	
C3022,23	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3024-28	F1J1A1050002	C 1UF, Z, 50V	5	
C3029	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3030	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3031	F1J1A1050002	C 1UF, Z, 50V	1	
C3033	F1J1A1050002	C 1UF, Z, 50V	1	
C3035,36	F1J1A1050002	C 1UF, Z, 50V	2	
C3038	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3039	F1J1A1050002	C 1UF, Z, 50V	1	
C3040	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3041	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3043	F1J1A1050002	C 1UF, Z, 50V	1	
C3045,46	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3047	F1J1A1050002	C 1UF, Z, 50V	1	
C3048	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3049-56	F1J1A1050002	C 1UF, Z, 50V	8	
C3058	ECA1EM471	E 470UF, 25V	1	
C3059	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3062-64	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3065	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3066	F1J1A1050002	C 1UF, Z, 50V	1	
C3067	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3068	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3070	ECA1EM471	E 470UF, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3071	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3072	ECA1EM471	E 470UF, 25V	1	
C3073	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3074	ECA1EM471	E 470UF, 25V	1	
C3075	ECA1CM221	E 220UF, 16V	1	
C3076	ECA1EM471	E 470UF, 25V	1	
C3207	ECA1AM102	E 1000UF, 10V	1	
C3214	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3216	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3226-28	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3230	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3233	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3241	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3262	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C3268	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3305	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3330	ECA1CM470	E 47UF, 16V	1	
C3331	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C3332	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3334	ECEA1CN470U	E 47UF, 16V	1	
C3335	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C3336	ECEA1CN470U	E 47UF, 16V	1	
C3337	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C3338	ECEA1CN470U	E 47UF, 16V	1	
C3339	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C3340-42	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3701	ECJ2XC1H561K	C 560PF, K, 50V	1	
C3703	ECJ2XC1H561K	C 560PF, K, 50V	1	
C3711,12	ECJ2VF1H333Z	C 0.033UF, Z, 50V	2	
C3750,51	ECJ2XC1H102K	C 1000PF, K, 50V	2	
C4003-08	F1J0J1060004	C 0.010UF, K, 16V	6	
C4014,15	F1J0J1060004	C 0.010UF, K, 16V	2	
C4023	F1J0J1060004	C 0.010UF, K, 16V	1	
C4026	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4027	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4028	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4112	F1J0J1060004	C 0.010UF, K, 16V	1	
C4117	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4158	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4159	F1H1C104A065	C 0.1UF, K, 16V	1	
C4160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4168	ECJ1XC1H680J	C 68PF, J, 50V	1	
C4171	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4172,73	F1H1C104A065	C 0.1UF, K, 16V	2	
C4174	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4175	F1H1C104A065	C 0.1UF, K, 16V	1	
C4176	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4177	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C4178	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C4180	F1H1C104A065	C 0.1UF, K, 16V	1	
C4185,86	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C4188	F1J0J1060004	C 0.010UF, K, 16V	1	
C4189-91	ECJ0EB1A104K	C 0.1UF, K, 10V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4193	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4194-97	F1H1C104A065	C 0.1UF, K, 16V	4	
C4199	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4200	EEEHB1C470P	C 47PF, J, 16V	1	
C4201	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4204	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4205,06	F1H1C104A065	C 0.1UF, K, 16V	2	
C4208,09	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4211	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4215	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4216	EEEHB1C470P	C 47PF, J, 16V	1	
C4217	F1H1C104A065	C 0.1UF, K, 16V	1	
C4218	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4219	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4224	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4227	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4228	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4235	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4244	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4245	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4248	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4253	EEEHB1C470P	C 47PF, J, 16V	1	
C4256	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4262-64	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4266	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4269	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4272	EEEHB1C470P	C 47PF, J, 16V	1	
C4273	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4281-84	ECJ0EB1A104K	C 0.1UF, K, 10V	4	
C4287,88	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4289,90	EEEHB0J330R	C 33PF, J, 6.3V	2	
C4291,92	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4296	F1J0J1060004	C 0.010UF, K, 16V	1	
C4297	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4298-06	ECJ1VB1A105K	C 0.01UF, Z, 50V	9	
C4307-09	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4310	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4311	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4312	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4313,14	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4315	F1J0J1060004	C 0.010UF, K, 16V	1	
C4316-18	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4320-22	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4325	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4327	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4329,30	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4331	F1J0J1060004	C 0.010UF, K, 16V	1	
C4332	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4333-38	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C4339	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4340	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4341	EEEHB1C470P	C 47PF, J, 16V	1	
C4342	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4343	EEEHB1C100R	C 10PF, J, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4344,45	F1J0J1060004	C 0.010UF, K, 16V	2	
C4346	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4347	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4348	EEEHB1C470P	C 47PF, J, 16V	1	
C4349	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4350,51	ECJ1XC1H181J	C 180PF, J, 50V	2	
C4352,53	ECJ1XC1H330J	C 33PF, J, 50V	2	
C4354	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4360	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4362	F1J0J1060004	C 0.010UF, K, 16V	1	
C4363,64	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4365	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4366	EEEHB1C470P	C 47PF, J, 16V	1	
C4367	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4371	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4373	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4374	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4375,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4377	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4379	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4380	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4381,82	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4383	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4384	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4385	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4386	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4387	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4388	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4389	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4390	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4391	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4392	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4393,94	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4395	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4396	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4397,98	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4399,00	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4401	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4402,03	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4404	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4405	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4406	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4407,08	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4409	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4410	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4411,12	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4413,14	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4415	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4417	EEEHB1C470P	C 47PF, J, 16V	1	
C4418,19	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4420,21	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4422-24	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4425,26	ECJ0EB1A104K	C 0.1UF, K, 10V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4427	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4428	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4429,30	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4434	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4435	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4436-39	ECJ0EB1H102K	C 1000PF, K, 50V	4	
C4440	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4441,42	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4447	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4448	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4451	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4452	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4453,54	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4455	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4456	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4457,58	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4459	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4460	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4461	ECJ1XC1H820J	C 82PF, J, 50V	1	
C4462	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4464	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4465	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4466	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4467	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4470	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4474	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4475,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4477	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4478	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4479-81	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4482	ECJ1XC1H180J	C 18PF, J, 50V	1	
C4483	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4493	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4494	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4496	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4497	EEEHB0G101R	C 100PF, J, 4V	1	
C4498	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4499	EEFCD0G560ER	56UF,	1	
C4501	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4502	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4503	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4504	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4505	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4506	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4507	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4508	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4509-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4512	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4513	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4514	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4515,16	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4517	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4518	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4519	ECJ0EB1C103K	C0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4520	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4521	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4522	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4523	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4524	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4525	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4526	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4527	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4528	EEEHB1C470P	C 47PF, J, 16V	1	
C4529	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4530,31	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4532,33	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4534	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4535	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4536	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4537	EEEHB0G101R	C 100PF, J, 4V	1	
C4538	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4539	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4540	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4541	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4543	F1H1C104A065	C 0.1UF, K, 16V	1	
C4544	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5604	ECA1HHG100	E 10UF, 50V	1	
C5605	EEUFC1E471	E 470UF, 25V	1	
C5606	ECA1CM471	E 470UF, 16V	1	
C5609	ECA1HM220	E 22UF, 50V	1	
C5611	F2A1H331A257	E 330UF, 50V	1	
C5612	ECA1CM471	E 470UF, 16V	1	
C5613	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5616	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5617	ECA1CM471	E 470UF, 16V	1	
C5618,19	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C5622	ECA1CM471	E 470UF, 16V	1	
C5623	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5633	ECA1EM221	E 220UF, 25V	1	
C5637	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5641-44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C5645	ECA1CHG470	E 47UF, 16V	1	
C5646	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5647	ECA1CHG470	E 47UF, 16V	1	
C5648	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5670	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5672	ECA1HHG100	E 10UF, 50V	1	
C5673	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5685	ECA1HHG100	E 10UF, 50V	1	
C5686	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C5801,02	EEUFC1E471	E 470UF, 25V	2	
C5804	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5805	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C5809	ECJ3XF1E105Z	C 1UF, Z, 25V	1	
C5810	ECA1EHG470	E 47UF, 25V	1	
C6001	F1L2J332A022	C 3300UF, K,6.3V	1	
C6002	F1L2J222A022	C 2200UF, K,6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6011-15	F2A2T201A001	E 200UF,	5	
C6021,22	F1L2J272A022	C 2700UF, K,6.3V	2	PAVCCZ
C6031	ECQE2255JF	P 2.5UF, K,250V	1	
C6041-44	TCUY1C105ZFN	C 1UF, 16V	4	
C6091	F1L2J1020001	C 1000UF, K,6.3V	1	
C6111,12	F2A2D221A022	E 220UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-55	F1L1E4750004	C 4.7UF, 25V	4	
C6192	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6194,95	F1L1E4750004	C 4.7UF, 25V	2	
C6201,02	F0C2E405A176	E 0.040UF, 250V	2	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213,14	ECA1EM471	E 470UF, 25V	2	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6241	ECA1EM471	E 470UF, 25V	1	
C6242	TCUY1C105ZFN	C 1UF, 16V	1	
C6243	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6251	TCUY1C105ZFN	C 1UF, 16V	1	
C6261,62	ECA2CM101	E 100UF, 160V	2	
C6271	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6272,73	EEUFC1E221	E 220UF, 25V	2	
C6401	F1L2J332A022	C 3300UF, K,6.3V	1	
C6402	F1L2J222A022	C 2200UF, K,6.3V	1	
C6411-15	F2A2T201A001	E 200UF,	5	
C6421,22	F1L2J272A022	C 2700UF, K,6.3V	2	PAVCCZ
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6511,12	F0C2E405A176	E 0.040UF, 250V	2	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6561	F2A1A1010074	E 100UF, 10V	1	
C6563	F2A1A1010074	E 100UF, 10V	1	
C6565,66	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	TCUY1C105ZFN	C 1UF, 16V	1	
C6591	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6592	ECA1EM471	E 470UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6601,02	F1L1E4750004	C 4.7UF, 25V	2	
C6603	F1K2J102A014	C 1000UF, K,6.3V	1	
C6604	F2A2V470A020	E 47UF, 350V	1	
C6605	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6606	F1K2J102A014	C 1000UF, K,6.3V	1	
C6610	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6611	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6612	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6620	ECJ3XB2J222K	C 2200PF, K,630V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6641	ECQE2224KF	P 2.2UF, K,250V	1	
C6661,62	F1K2J102A014	C 1000UF, K,6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6681,82	F1L1E4750004	C 4.7UF, 25V	2	
C6683	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6691	ECA2CM101	E 100UF, 160V	1	
C6701-08	ECJ2XB1H104K	C 0.1UF, K, 50V	8	
C6721	ECA1HM101	E 100UF, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	TCUY1C105ZFN	C 1UF, 16V	2	
C6728	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6754	ECA1VM470	E 47UF, 35V	1	
C6755	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6771	TCUY1C105ZFN	C 1UF, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6776,77	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	EEUFC1E221	E 220UF, 25V	1	
C6795,96	EEUFC1E221	E 220UF, 25V	2	
C6802	EEUFC1E221	E 220UF, 25V	1	
C6803	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	TCUY1C105ZFN	C 1UF, 16V	1	
C6806,07	ECA2CM101	E 100UF, 160V	2	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6812	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6822	F2A2V100A019	E 10UF, 350V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841,42	ECA2CM101	E 100UF, 160V	2	
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6910	TCUY1C105ZFN	C 1UF, 16V	1	
C6912	TCUY1C105ZFN	C 1UF, 16V	1	
C6914-18	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932-35	F1L2E105A013	E 0.10UF, 25V	4	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6955	TCUY1C105ZFN	C 1UF, 16V	1	
C6957,58	TCUY1C105ZFN	C 1UF, 16V	2	
C6961	TCUY1C105ZFN	C 1UF, 16V	1	
C6963	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6964-68	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E105A013	E 0.10UF, 25V	4	
C7108	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7110	TCUY1C105ZFN	C 1UF, 16V	1	
C7111,12	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7114	TCUY1C105ZFN	C 1UF, 16V	1	
C7115	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7116	TCUY1C105ZFN	C 1UF, 16V	1	
C7117	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7119	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7121	TCUY1C105ZFN	C 1UF, 16V	1	
C7122	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7123	TCUY1C105ZFN	C 1UF, 16V	1	
C7124	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7126	TCUY1C105ZFN	C 1UF, 16V	1	
C7127	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7134	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7137,38	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7140	TCUY1C105ZFN	C 1UF, 16V	1	
C7141	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7143	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7145	TCUY1C105ZFN	C 1UF, 16V	1	
C7146	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7148	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7203	TCUY1C105ZFN	C 1UF, 16V	1	
C7204,05	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7207	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7209	TCUY1C105ZFN	C 1UF, 16V	1	
C7210	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7212	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7214	TCUY1C105ZFN	C 1UF, 16V	1	
C7215	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7216	TCUY1C105ZFN	C 1UF, 16V	1	
C7217	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7219	TCUY1C105ZFN	C 1UF, 16V	1	
C7220	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7223	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7225	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7227	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7229	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7235	TCUY1C105ZFN	C 1UF, 16V	1	
C7236	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7238	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7240	TCUY1C105ZFN	C 1UF, 16V	1	
C7241	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7244	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8001	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8002	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8003	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8004	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8005	EEEHB1C100R	C 10PF, J, 16V	1	TH-42PX60B
C8007	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-42PX60B
C8015	ECJ1VC1H080C	C 8PF, C, 50V	1	TH-42PX60B
C8019,20	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PX60B
C8021	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-42PX60B
C8030	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8034,35	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PX60B
C8037	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8039,40	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PX60B
C8041	EEEHB0G101R	C 100PF, J, 4V	1	TH-42PX60B
C8042,43	ECJ1VC1H100C	C 10PF, C, 50V	2	TH-42PX60B
C8046-48	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-42PX60B
C8051,52	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PX60B
C8055	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PX60B
C8056	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8058-61	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-42PX60B
C8062	F1G1A1540001	C 0.15UF, K, 10V	1	TH-42PX60B PAVCCZ
C8071	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-42PX60B
C8073	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-42PX60B
C8098	ECGRL0G680ER	C 68PF, J, 4V	1	TH-42PX60B
C8099,00	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PX60B
C8101,02	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-42PX60B
C8103,04	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PX60B
C8105	EEEHB0G101R	C 100PF, J, 4V	1	TH-42PX60B
C8106,07	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-42PX60B
C8108	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8109	EEEHB0G101R	C 100PF, J, 4V	1	TH-42PX60B
C8110	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8121	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8128,29	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PX60B
C8134	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8135	ECJ0EB1A473K	C 0.047UF, K, 10V	1	TH-42PX60B
C8136	ECGRL0G680ER	C 68PF, J, 4V	1	TH-42PX60B
C8138	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8139	ECGRL0G680ER	C 68PF, J, 4V	1	TH-42PX60B
C8140	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8141	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8142	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8143	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8144	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8145	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8146	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8147	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8148	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8149	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-42PX60B
C8150	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8151	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8154-56	ECJ0EB1A104K	C 0.1UF, K, 10V	3	TH-42PX60B
C8157	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8161-64	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-42PX60B
C8165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8166	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8167	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8168	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8169	EEEHB0G470R	C 47PF, J, 4V	1	TH-42PX60B
C8170	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8171	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8172	EEEHB0G470R	C 47PF, J, 4V	1	TH-42PX60B
C8173-75	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-42PX60B
C8176	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8182	ECJ0EC1H121J	C 120PF, K, 50V	1	TH-42PX60B
C8186	ECJ0EC1H680J	C 680PF, K, 50V	1	TH-42PX60B
C8189	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8193	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-42PX60B
C8202,03	EEEHB1C470P	C 47PF, J, 16V	2	TH-42PX60B
C8204	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-42PX60B
C8205,06	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PX60B
C8207	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PX60B
C8208	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-42PX60B
C8210	ECJ0EB1A333K	C 0.033UF, K, 10V	1	TH-42PX60B
C8212	ECJ0EB1C223K	C 0.022UF, K, 16V	1	TH-42PX60B
C8240	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-42PX60B
C8268	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-42PX60B
C8269	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8303	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8305,06	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PX60B
C8314	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8315	ECJ2FF1A475Z	C 4.7UF, Z, 10V	1	TH-42PX60B
C8317,18	ECJ2FF1A475Z	C 4.7UF, Z, 10V	2	TH-42PX60B
C8319	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8320-23	ECJ1VB0J105K	C 1UF, K, 6.3V	4	TH-42PX60B
C8327	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PX60B
C8329	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8330,31	ECJ0EC1H181J	C 180PF, K, 50V	2	TH-42PX60B
C8332	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8334,35	ECJ0EC1H330J	C 330PF, K, 50V	2	TH-42PX60B
C8340	ECJ0EB1C682K	C 6800UF, K, 16V	1	TH-42PX60B
C8341	ECJ0EB1C822K	C 8200UF, K, 16V	1	TH-42PX60B
C8342,43	ECGRL0G680ER	C 68PF, J, 4V	2	TH-42PX60B
C8344	ECJ1VB1H332K	C 3300PF, K, 50V	1	TH-42PX60B
C8345	ECJ0EB1C153K	C 0.015UF, K, 16V	1	TH-42PX60B
C8349	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8350,51	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PX60B
C8361	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PX60B
C8372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8376	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8397	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8401	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8403,04	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PX60B
C8406	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8409	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8410	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8413,14	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PX60B
C8416,17	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PX60B
C8419	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8421	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8423	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8424	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8425	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PX60B
C8427	F2G1A101A019	E 100UF, 10V	1	TH-42PX60B PAVCCZ
C8428	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PX60B
C8430-32	ECJ0EF1C104Z	C 0.10UF, Z, 16V	3	TH-42PX60B
C8433,34	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PX60B
C8467	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C8501,02	ECJ0EC1H180J	C 180PF, K, 50V	2	TH-42PX60B
C8504	ECJ1VF1A105Z	C 1UF, Z, 10V	1	TH-42PX60B
C8506	ECJ2VF1C105Z	C 1UF, Z, 16V	1	TH-42PX60B
C8507	ECJ1XC1H102J	C 1000PF, J, 50V	1	TH-42PX60B
C8508	ECJ1XF1C334Z	C 0.33UF, Z, 16V	1	TH-42PX60B
C8509	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-42PX60B
C8870	ECJ1XC1H471J	C 470PF, J, 50V	1	TH-42PX60B
C8872	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	TH-42PX60B
C8910	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PX60B
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055-57	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9467,68	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9469	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9500-06	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C9508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9509	ECJ1VC1H200J	C 20PF, C, 50V	1	
C9510	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9511	F1J0J1060004	C 0.010UF, K, 16V	1	
C9512	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	
C9823,24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9839	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9845,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847,48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880,81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9900-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	52	
C9952-54	EEFCD0G560ER	56UF,	3	
C9955-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9960-64	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9965	EEFCD0G560ER	56UF,	1	
C9966	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CB1-B8	K1MN68BA0002	68P CONNECTOR	8	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20B00155	20P CONNECTOR	1	
D31,32	K1MN55BA0094	55P CONNECTOR	2	
D1106,07	MA729	DIODE	2	
D1117	MA3036L	ZENER DIODE	1	
D1119	MA704A	DIODE	1	
D1121	MA729	DIODE	1	
D2011-14	MA111	DIODE	4	
D2119	B0BC01100001	ZENER DIODE	1	
D2300,01	MA111	DIODE	2	
D2303,04	MA111	DIODE	2	
D2309	MA111	DIODE	1	
D2510,11	MA8056-M	ZENER DIODE	2	
D2512	MA8043LTX	ZENER DIODE	1	
D2520B	LN1271RALTR	LED	1	
D2524	MA8056-M	ZENER DIODE	1	
D2525B	LN1471YTR	LED	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D2526	MA8056-M	ZENER DIODE	1	TH-42PX60B
D3002-12	MA8140M	ZENER DIODE	11	
D3015,16	MA8140M	ZENER DIODE	2	
D3021-23	MA111	DIODE	3	
D3024	B0BC01100001	ZENER DIODE	1	
D3025	MA8140M	ZENER DIODE	1	
D3027,28	MA8140M	ZENER DIODE	2	
D3030-32	MA8140M	ZENER DIODE	3	
D3038-43	MA8140M	ZENER DIODE	6	
D3044	MA111	DIODE	1	
D3100	MA8140M	ZENER DIODE	1	
D3334-39	MA111	DIODE	6	
D3702	MA8140M	ZENER DIODE	1	
D4019-38	EZJZ0V80008B	VARISTOR	20	
D4041	EZJZ0V80008B	VARISTOR	1	
D4044,45	EZJZ0V80008B	VARISTOR	2	
D4047,48	MA3056M	ZENER DIODE	2	
D4049-52	B0HCMM000014	DIODE	4	
D5606	B0BC01100001	ZENER DIODE	1	
D5607	B0BC6R600005	ZENER DIODE	1	
D5610	B0BC4R700007	ZENER DIODE	1	(PA)
D5610	MA3X78900L	ZENER DIODE	1	(H)
D5612	B0BC3R700006	ZENER DIODE	1	
D5618	B0BC03900015	ZENER DIODE	1	
D5634	MA111	DIODE	1	
D5635	MA3047H	ZENER DIODE	1	
D5637,38	MA152	DIODE	2	
D5639	MA3047H	ZENER DIODE	1	
D5640	MA3039H	ZENER DIODE	1	
D5641	MA152	DIODE	1	
D5642	MA3120M	ZENER DIODE	1	
D5643	MA152	DIODE	1	
D5644	MA3068M	ZENER DIODE	1	
D5646,47	MA152	DIODE	2	
D5649	MA111	DIODE	1	
D5801	B0JCME000037	DIODE	1	
D5804	MA3120M	ZENER DIODE	1	
D5805,06	MA152	DIODE	2	
D5807	MA111	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021	B0HBSN000008	DIODE	1	
D6032	MA111	DIODE	1	
D6041	B0ECHP000003	DIODE	1	
D6051	B0ECHP000003	DIODE	1	
D6061,62	B0HBSN000008	DIODE	2	
D6071,72	B0HBSN000008	DIODE	2	
D6081,82	B0HBSN000008	DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECHP000003	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6131,32	B0ECHP000003	DIODE	2	
D6151-54	B0ECHP000003	DIODE	4	
D6191-93	B0ECHP000003	DIODE	3	
D6211	B0JCME000037	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6221	B0ECHP000003	DIODE	1	
D6222,23	MA111	DIODE	2	
D6251,52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401,02	B0HBSN000008	DIODE	2	
D6431,32	B0HBSP000019	DIODE	2	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461,62	B0HBSN000008	DIODE	2	
D6466	MA111	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481,82	B0HBSN000008	DIODE	2	
D6491	B0HBSP000019	DIODE	1	
D6497	MA111	DIODE	1	
D6501,02	B0ECHP000003	DIODE	2	
D6521-24	B0ECHP000003	DIODE	4	
D6581,82	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6610	MAZ81500ML	ZENER DIODE	1	
D6611-14	MA111	DIODE	4	
D6619,20	B0HCKS000002	DIODE	2	
D6621	B0HDSM000005	DIODE	1	
D6623,24	B0HDSM000005	DIODE	2	
D6641,42	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6661	MA111	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	
D6666,67	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683,84	MA111	DIODE	2	
D6686,87	MA111	DIODE	2	
D6701,02	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723,24	B0JCME000037	DIODE	2	
D6725	B0ECHP000003	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760,61	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6801,02	B0JCME000037	DIODE	2	
D6803	MA111	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	
D6806	B0ECHP000003	DIODE	1	
D6820-23	MA111	DIODE	4	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	
D6841	B0ECHP000003	DIODE	1	
D6842,43	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0ECHP000003	DIODE	2	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0ECHP000003	DIODE	2	
D8002	MA728	DIODE	1	TH-42PX60B
D8203,04	B0JCPE000004	DIODE	2	TH-42PX60B
D8501	B0CCAB000039	DIODE	1	TH-42PX60B
D9017-19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	
D9100-03	B0JCGD000002	DIODE	4	
D9105,06	B0JCGD000002	DIODE	2	
D9110	B0JCGD000002	DIODE	1	
D9300,01	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	
D9804	MA152K	DIODE	1	
D9807,08	MA152K	DIODE	2	
D9811	MA728	DIODE	1	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DG1	K1KY80A00011	80P CONNECTOR	1	
DG2	K1KA15B00074	15P CONNECTOR	1	
DG3	K1KY40B00003	40P CONNECTOR	1	
DG5	K1KB21BA0063	21P CONNECTOR	1	
DG7	K1KA20B00155	20P CONNECTOR	1	
DG8,G9	K1FY119D0001	CONNECTOR	2	
DG15	K1KY40B00003	40P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
DG20	K1MN40B00045	40P CONNECTOR	1	
DG22	K1KBB0A00009	CONNECTOR	1	TH-42PX60B
DG35	K1KA07BA0047	7P CONNECTOR	1	
FL3301,02	J0HABB000003	LC FILTER	2	
FL3303-05	J0HABB000004	LC FILTER	3	
FL4010,11	J0HABH000012	LC FILTER	2	TH-42PX60B
FL4015	J0HABH000012	LC FILTER	1	TH-42PX60B
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL9300,01	F1J1E1040022	LC FILTER	2	
FL9800,01	J0HABH000013	LC FILTER	2	
FL9803,04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
FL9900-02	F1J1E1040022	LC FILTER	3	
FL9903,04	J0HABH000013	LC FILTER	2	
G1	K1KA12A00317	12P CONNECTOR	1	
G3	K1KA03BA0047	3P CONNECTOR	1	
G51	K1KA30AA0009	30P CONNECTOR	1	
GK3	K1KA03BA0061	3P CONNECTOR	1	
H1	K1KY80A00011	80P CONNECTOR	1	
H2	K1KA15A00148	15P CONNECTOR	1	
H5	K1KA15AA0288	15P CONNECTOR	1	
H6	K1KA09A00230	9P CONNECTOR	1	
H15	K1KA04AA0150	4P CONNECTOR	1	
H40	K1KA20AA0009	20P CONNECTOR	1	
H51	K1KA30AA0009	30P CONNECTOR	1	
HC01	K1KA21A00011	21P CONNECTOR	1	
HC12	K1KA09AA0190	9P CONNECTOR	1	
HC15	K1KY40B00003	40P CONNECTOR	1	
HC21	K1KA08AA0193	8P CONNECTOR	1	
HC22	K1KA11AA0194	11P CONNECTOR	1	
IC1100	C3ABPG000145	IC	1	
IC1101	TVRN774-1	IC	1	PAVCCZ
IC1102	TVRN752-3	IC	1	TH-42PV60E PAVCCZ
IC1102	TVRN758-3	IC	1	TH-42PX60B PAVCCZ
IC1103	MN103SB20RGL	IC	1	
IC1105,06	C0JBAS000128	IC	2	TH-42PX60B
IC1107	C0JBAS000128	IC	1	
IC1110	C0CBCAD00016	IC	1	
IC1111	C0EBY0000041	IC	1	
IC2103	AN77L08M	IC	1	
IC2104	C0ABBA000168	IC	1	
IC2105	AN15862A-VT	IC	1	
IC2106	C1AB00002468	IC	1	
IC2109	C1BB00000947	IC	1	
IC2110	AN7705SP	IC	1	
IC2302	C1AB00002451	IC	1	
IC2304	C0ABBA000168	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC2306	C0ABBA000168	IC	1	
IC2511	B3L000000020	IC	1	
IC3005	AN15867A-VT	IC	1	
IC3301	C0JBAZ002205	IC	1	
IC4013	C0CBCBF00009	IC	1	
IC4016	C0CBCAC00275	IC	1	
IC4018	C0CBCAC00275	IC	1	
IC4019	C1AB00002456	IC	1	
IC4022	TVRN916	IC	1	
IC4023	TVRN917	IC	1	
IC4025	C0FBBK000038	IC	1	
IC4026	C1AB00002535	IC	1	
IC4027	C0DBFFD00003	IC	1	
IC4028	C0ABBB000230	IC	1	
IC4029	C0CBCAC00282	IC	1	
IC4030	C0CBCBC00190	IC	1	
IC4032	C0DBGYY00052	IC	1	
IC4035	C0CBCAF00031	IC	1	
IC4036	C0JBAP000020	IC	1	
IC4037	MN84522-A	IC	1	
IC4038	C3ABQJ000048	IC	1	
IC5601	N0BG2DE00001	IC	1	
IC5602	EHMDD9851	LINEAR IC	1	
IC5603	C0DBAJB00004	IC	1	
IC5604	C0DBZGC00067	IC	1	
IC5801	C0DBAZF00003	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMB00005	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561,62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6610	NJM2903M	INTEGRATED CIRCUIT	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721,22	C0JBAZ000994	IC	2	
IC6724,25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6801,02	C0DBEMB00005	IC	2	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-06	AN16072A-VT	IC	6	
IC6951-56	AN16072A-VT	IC	6	
IC7101-05	C0JBAZ001120	IC	5	
IC7201-05	C0JBAZ001120	IC	5	
IC8003	STV0360CT	IC	1	TH-42PX60B PAVCCZ
IC8009	C3ABQG000095	IC	1	TH-42PX60B PAVCCZ
IC8013	MN2WS0025BEA	IC	1	TH-42PX60B PAVCCZ
IC8019	TVRN789	IC	1	TH-42PX60B PAVCCZ
IC8023,24	C0DBAMH00018	IC	2	TH-42PX60B
IC8029	C0FBBK000038	IC	1	TH-42PX60B
IC8031	BA15218FDX	IC	1	TH-42PX60B
IC8034	C0DBEHG00006	IC	1	TH-42PX60B PAVCCZ
IC8042	C0EBM0000026	IC	1	TH-42PX60B
IC8213	C0JBAZ001137	IC	1	TH-42PX60B
IC8402	74LVC4245AD	IC	1	TH-42PX60B PAVCCZ
IC8404	C0JBAZ002691	IC	1	TH-42PX60B PAVCCZ
IC8405	C0ZBZ0001333	IC	1	TH-42PX60B PAVCCZ
IC8408-11	C0JBAZ002691	IC	4	TH-42PX60B PAVCCZ
IC8412	C0JBAZ001137	IC	1	TH-42PX60B
IC8501	74VHCU04MXNL	IC	1	TH-42PX60B PAVCCZ
IC8864	C0DBFFD00003	IC	1	TH-42PX60B
IC9001	TVRN808	IC	1	
IC9002	C0ZBZ0001330	IC	1	
IC9003	TVRN805	IC	1	PAVCCZ
IC9007	TVRN813	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003185	IC	1	
IC9303	TVRN819	IC	1	PAVCCZ
IC9500	C1ZBZ0002599	IC	1	
IC9502	PST9128NR	IC (LOGIC)	1	
IC9503,04	C0JBAZ001120	IC	2	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZFG00066	IC	1	
IC9802,03	C0JBAZ001120	IC	2	
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
IC9900	MN84521-A	IC	1	
IC9901	C3ABQJ000051	IC	1	
JK2002,03	K4BK03A00002	AV TERMENAL	2	
JK3001	K1FB315A0005	JACK	1	
JK3002-04	K1FB121A0010	CONNECTOR	3	PAVCCZ
JK3005	K2HA307A0007	JACK	1	PAVCCZ
JK3701	K4AK23B00001	TERMINAL BOARD	1	PAVCCZ
JK8401	K1NA68B00042	68P CONNECTOR	1	TH-42PX60B PAVCCZ
JS001	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PX60B
JS012	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS1100-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS1109	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS2021,22	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2026	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS2031-33	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2108,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2123,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2300-03	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS2319	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3000	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3005	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3007-20	ERJ6GEY0R00	M 0 OHM, 1/10W	14	
JS3023	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3037-39	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3201	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3206	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3215	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3237	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3239	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3252	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3255	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3302-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3307-12	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3352	J0JCC0000241	CHIP INDUCTOR	1	
JS3354-59	J0JCC0000241	CHIP INDUCTOR	6	
JS3362,63	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3402,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3404,05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3704,05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3707,08	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS3711-14	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS3715	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4016,17	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4022-24	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS4025,26	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
JS4027,28	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4029	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4033-40	ERJ2GE0R00	M 0.0 OHM, J,0.063W	8	
JS4042,43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
JS4046	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PV60E
JS4047,48	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
JS4069	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4075	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
JS4077	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
JS4079	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
JS4094	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PV60E
JS4103	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PV60E
JS4104	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS4111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4116	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS5601	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K1	K1KY12B00001	12P CONNECTOR	1	
L008	J0JCC0000241	CHIP INDUCTOR	1	
L012	J0JCC0000241	CHIP INDUCTOR	1	
L017	J0JCC0000241	CHIP INDUCTOR	1	
L018	J0JGC0000021	CHIP INDUCTOR COIL	1	
L019	J0JCC0000241	CHIP INDUCTOR	1	TH-42PV60E
L020	J0JGC0000021	CHIP INDUCTOR COIL	1	
L021	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L1101-04	J0JHC0000078	CHIP INDUCTOR	4	
L1109	J0JHC0000078	CHIP INDUCTOR	1	
L2001,02	J0JCC0000364	CHIP INDUCTOR	2	
L2003-16	TSK1032	BEAD CHOKE	14	
L2107	TSK1032	BEAD CHOKE	1	
L2108	J0JCC0000241	CHIP INDUCTOR	1	
L2109,10	TSK1032	BEAD CHOKE	2	
L2111,12	J0JCC0000241	CHIP INDUCTOR	2	
L2115	J0JCC0000241	CHIP INDUCTOR	1	
L2117	ELESE6R8KA	PEAKING COIL	1	
L2118	EXCELDR35C	BEAD CHOKE	1	
L2123	J0JCC0000241	CHIP INDUCTOR	1	
L2178,79	J0JCC0000241	CHIP INDUCTOR	2	
L2182-87	J0JCC0000241	CHIP INDUCTOR	6	
L2204	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L2205,06	J0JCC0000241	CHIP INDUCTOR	2	
L2300-03	G0C330MA0049	PEAKING COIL	4	
L2308	TALL08N3R9MA	INDUCTION COIL	1	
L3000	G0C101K00023	PEAKING COIL	1	
L3001-03	TSK1032	BEAD CHOKE	3	
L3009	TSK1032	BEAD CHOKE	1	
L3026	TSK1032	BEAD CHOKE	1	
L3202	J0JCC0000241	CHIP INDUCTOR	1	
L3205	J0JCC0000241	CHIP INDUCTOR	1	
L3700,01	J0JCC0000364	CHIP INDUCTOR	2	
L3707,08	TSK1032	BEAD CHOKE	2	
L4023	J0JHC0000078	CHIP INDUCTOR	1	
L4029	J0JHC0000078	CHIP INDUCTOR	1	
L4031	J0JHC0000078	CHIP INDUCTOR	1	
L4038	J0JHC0000078	CHIP INDUCTOR	1	
L4040-46	J0JHC0000078	CHIP INDUCTOR	7	
L4048	J0JHC0000078	CHIP INDUCTOR	1	
L4049	J0JBC0000080	CHIP INDUCTOR	1	
L4050,51	J0JHC0000078	CHIP INDUCTOR	2	
L4052	J0JCC0000077	CHIP INDUCTOR	1	
L4053-55	J0JHC0000078	CHIP INDUCTOR	3	
L4056,57	J0JCC0000077	CHIP INDUCTOR	2	
L4060,61	J0JCC0000077	CHIP INDUCTOR	2	
L4065,66	J0JHC0000078	CHIP INDUCTOR	2	
L4068-70	J0JHC0000078	CHIP INDUCTOR	3	
L4071	J0JBC0000080	CHIP INDUCTOR	1	
L4073	J0JHC0000078	CHIP INDUCTOR	1	
L4075,76	J0JHC0000078	CHIP INDUCTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L4077	J0JCC0000077	CHIP INDUCTOR	1	
L4078	J0JHC0000078	CHIP INDUCTOR	1	
L5602	TALL08N2R7MA	INDUCTION COIL	1	
L5604	TALL08N2R7MA	INDUCTION COIL	1	
L5605	G0A2R7ZA0021	CHOKE COIL	1	
L5606,07	G0A220GA0002	CHOKE COIL	2	
L5608	G1C100MA0072	INDUCTION COIL	1	
L5609	G0A220GA0002	CHOKE COIL	1	
L5610	G1C470MA0077	INDUCTION COIL	1	
L5612	TALL08N2R7MA	INDUCTION COIL	1	
L5615	TALL08N150KA	INDUCTION COIL	1	
L5621	G1C330MA0234	INDUCTION COIL	1	
L5622,23	G1C150MA0234	INDUCTION COIL	2	
L5624	G1C330MA0234	INDUCTION COIL	1	
L5651	G0A220GA0002	CHOKE COIL	1	
L5801	G0C101K00023	PEAKING COIL	1	
L5802	TALL08N101KA	INDUCTION COIL	1	
L6001-03	G0C1R9KA0147	PEAKING COIL	3	
L6011-13	G0C1R9KA0147	PEAKING COIL	3	
L6061-68	G0ZZ00002183	PEAKING COIL	8	
L6081-88	G0ZZ00002183	PEAKING COIL	8	
L6101,02	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6104,05	J0JJC0000011	CHIP INDUCTOR	2	
L6211,12	J0JJC0000011	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271,72	G0ZZ00002183	PEAKING COIL	2	
L6401-03	G0C1R9KA0147	PEAKING COIL	3	
L6411-13	G0C1R9KA0147	PEAKING COIL	3	
L6461-68	G0ZZ00002183	PEAKING COIL	8	
L6472,73	G0ZZ00002183	PEAKING COIL	2	
L6481-88	G0ZZ00002183	PEAKING COIL	8	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6801,02	J0JJC0000011	CHIP INDUCTOR	2	
L6841	J0JJC0000011	CHIP INDUCTOR	1	
L8004	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B
L8008	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B
L8026	J0JHC0000035	CHIP INDUCTOR	1	TH-42PX60B
L8031-33	J0JHC0000045	CHIP INDUCTOR	3	TH-42PX60B
L8037	J0JCC0000078	CHIP INDUCTOR	1	TH-42PX60B
L8038	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B
L8042	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B
L8046	ELJPA1R0MFB	INDUCTION COIL	1	TH-42PX60B
L8047	G1C680MA0173	INDUCTION COIL	1	TH-42PX60B PAVCCZ
L8048	G1C330MA0173	INDUCTION COIL	1	TH-42PX60B PAVCCZ
L8049	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B
L8051	J0JCC0000241	CHIP INDUCTOR	1	TH-42PX60B
L8055	G1C100MA0077	INDUCTION COIL	1	TH-42PX60B
L8059	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B
L8106	ELJFA2R7JBB	CHIP INDUCTOR	1	TH-42PX60B PAVCCZ
L8145	J0JHC0000045	CHIP INDUCTOR	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L8501	ELJNA2R7JFB	CHIP INDUCTOR	1	TH-42PX60B
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801,02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
PA2	K1KA05AA0192	5P CONNECTOR	1	
PA5	K1KA11AA0194	11P CONNECTOR	1	
PA10	K1KA06A00452	6P CONNECTOR	1	
PA20	K1MN40A00024	40P CONNECTOR	1	
PA31-34	K1KA03AA0192	3P CONNECTOR	4	
PA40	K1KA20AA0009	20P CONNECTOR	1	
PA1101	K5H8012A0023	FUSE	1	
PA2100	K5H1622A0023	FUSE	1	
PA3100	K5H1622A0023	FUSE	1	
PA3104	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
PA9800	K5H4022A0023	FUSE	1	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000233	IC	3	
PC6704	B3PBA0000234	IC	1	
PC6705	B3PBA0000233	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q002	2SA207700L	TRANSISTOR	1	
Q1100-03	2SC584500L	TRANSISTOR	4	
Q1106,07	2SC584500L	TRANSISTOR	2	TH-42PX60B
Q1108	2SC584500L	TRANSISTOR	1	
Q1109,10	B1CBHD000002	FET	2	
Q1111	2SC584500L	TRANSISTOR	1	
Q1113-18	2SC584500L	TRANSISTOR	6	
Q1120-22	2SC584500L	TRANSISTOR	3	
Q1130	2SC584500L	TRANSISTOR	1	
Q1131	B1ABCF000138	TRANSISTOR	1	
Q1134	2SC584500L	TRANSISTOR	1	
Q1135	B1ABCF000138	TRANSISTOR	1	
Q1137-43	2SC584500L	TRANSISTOR	7	
Q2001-04	2SC584500L	TRANSISTOR	4	
Q2006,07	2SC584500L	TRANSISTOR	2	
Q2009,10	2SC584500L	TRANSISTOR	2	
Q2011	2SA207700L	TRANSISTOR	1	
Q2012	2SC584500L	TRANSISTOR	1	
Q2013	2SA207700L	TRANSISTOR	1	
Q2102-05	2SA207700L	TRANSISTOR	4	
Q2106	2SC584500L	TRANSISTOR	1	
Q2108	2SC584500L	TRANSISTOR	1	
Q2113,14	2SC584500L	TRANSISTOR	2	
Q2300	2SA207700L	TRANSISTOR	1	(PA)
Q2300	2SC584500L	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(H)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q2301	2SD601A	TRANSISTOR	1	(PA)
Q2302	2SC584500L	TRANSISTOR	1	
Q2303	2SD601A	TRANSISTOR	1	
Q2306,07	2SA207700L	TRANSISTOR	2	
Q2314-17	2SC584500L	TRANSISTOR	4	
Q2510,11	2SD601A	TRANSISTOR	2	
Q2518	2SD601A	TRANSISTOR	1	TH-42PX60B
Q3001	2SC584500L	TRANSISTOR	1	
Q3005	2SC584500L	TRANSISTOR	1	
Q3008	2SA207700L	TRANSISTOR	1	
Q3011	2SA207700L	TRANSISTOR	1	
Q3014,15	2SA207700L	TRANSISTOR	2	
Q3016	2SC584500L	TRANSISTOR	1	
Q3017	2SA207700L	TRANSISTOR	1	
Q3019-22	2SC584500L	TRANSISTOR	4	
Q3024	2SC584500L	TRANSISTOR	1	
Q3027-29	2SA207700L	TRANSISTOR	3	
Q3331-33	2SC2480	TRANSISTOR	3	
Q4050	2SC584500L	TRANSISTOR	1	
Q4053	2SC584500L	TRANSISTOR	1	
Q4055-59	2SA207700L	TRANSISTOR	5	
Q4061-69	2SC584500L	TRANSISTOR	9	
Q4070,71	B1MBACA00008	TRANSISTOR	2	
Q4082,83	2SK1228	FET	2	
Q4084	B1ABCF000138	TRANSISTOR	1	
Q4918	B1ABCF000138	TRANSISTOR	1	
Q4919	2SC584500L	TRANSISTOR	1	
Q5601	B1DHDC000028	TRANSISTOR	1	
Q5602	2SD601A	TRANSISTOR	1	
Q5603	B1DHDC000028	TRANSISTOR	1	
Q5604,05	2SD601A	TRANSISTOR	2	
Q5610	2SD601A	TRANSISTOR	1	
Q5613	2SD601A	TRANSISTOR	1	
Q5614	2SK3065T100	FET	1	
Q5641-43	2SA207700L	TRANSISTOR	3	
Q5644	2SD601A	TRANSISTOR	1	
Q6001-03	B1JADN000001	TRANSISTOR	3	
Q6021-23	B1JADN000001	TRANSISTOR	3	
Q6041,42	B1JADN000002	TRANSISTOR	2	
Q6051,52	B1JADN000002	TRANSISTOR	2	
Q6101-04	B1DFKM000002	TRANSISTOR	4	
Q6105	B1ABNF000006	TRANSISTOR	1	
Q6106	B1ADNF000006	TRANSISTOR	1	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6114	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	
Q6142	B1ADNF000006	TRANSISTOR	1	
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6171	2SD2185	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	2SD2185	TRANSISTOR	1	
Q6182	B1ADRD000001	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC3063	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	B1JADN000001	TRANSISTOR	3	
Q6421-23	B1JAEP000001	TRANSISTOR	3	
Q6441,42	B1JADN000002	TRANSISTOR	2	
Q6451,52	B1JADP000002	TRANSISTOR	2	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6531	2SD2185	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	2SD2185	TRANSISTOR	1	
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621,22	B1DFKM000001	TRANSISTOR	2	
Q6641,42	B1DFKM000001	TRANSISTOR	2	
Q6644,45	B1DFKM000001	TRANSISTOR	2	
Q6647,48	B1DFKM000001	TRANSISTOR	2	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671,72	B1DFET000001	TRANSISTOR	2	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681,82	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742,43	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6781	B1ABNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6801	B1BAEJ000014	TRANSISTOR	1	
Q6802	2SB0709A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6804	2SD601A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q8101	2SA207700L	TRANSISTOR	1	TH-42PX60B
Q8401,02	2SD601A	TRANSISTOR	2	TH-42PX60B
Q9010	2SD601A	TRANSISTOR	1	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	
Q9049	2SB709A	TRANSISTOR	1	
Q9050-54	2SD601A	TRANSISTOR	5	
Q9055-58	B1CBHD000002	FET	4	
Q9300-02	2SD601A	TRANSISTOR	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q9800,01	B1MBEDA00015	TRANSISTOR	2	
Q9803	B1MBEDA00015	TRANSISTOR	1	
Q9805,06	2SD601A	TRANSISTOR	2	
R002	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R005	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R008,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R010	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R011	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R012,13	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R014	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R1101	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1102,03	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1105,06	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1108-12	ERJ2GEJ101	M 100 OHM, J,0.063W	5	
R1113	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1114	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1116	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1118,19	EXB2HV680J	RESISTOR ARRAY	2	
R1121,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1123	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1124,25	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1128	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R1129	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PV60E
R1130	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1131,32	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1133,34	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1135	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1140,41	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R1145	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PX60B
R1146	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1147,48	D1HG5608A002	NETWORK RESISTER	2	
R1149	EXB2HV680J	RESISTOR ARRAY	1	
R1150	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PX60B
R1151	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1153	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1154,55	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R1156	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1157	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1158	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1159	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1160	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PV60E
R1162	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PV60E
R1164	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1165	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1166,67	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-42PX60B
R1168,69	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1174	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1175	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	
R1176	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1177-79	ERJ2GEJ101	M 100 OHM, J,0.063W	3	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ683	M 68KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1183	EXB28V680JX	RESISTOR ARRAY	1	
R1184	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1187	EXB2HV680J	RESISTOR ARRAY	1	
R1188,89	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R1197	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1199	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1200	EXB2HV680J	RESISTOR ARRAY	1	
R1203	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1207	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1212	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1214	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1215-17	ERJ2GEJ101	M 100 OHM, J,0.063W	3	
R1218	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1220	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1221	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1222	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R1223	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1224	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1225,26	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1228	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1229	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R1230	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1231	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1232,33	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1234	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1235,36	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1238	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1239	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R1240	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1241	ERJ2GEJ822	M 8.2KOHM, J,0.063W	1	
R1243	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1246	ERJ2GEJ912	M 9.1KOHM, J,0.063W	1	
R1249	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1250	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1251,52	EXB2HV101J	RESISTOR ARRAY	2	
R1256	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1259	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PX60B
R1263,64	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1270,71	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1275	ERJ3EKF7151	M7.15KOHM, 1/16W	1	
R1279,80	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1281	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1282	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1283	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1284	ERJ2GEJ682	M 6.8KOHM, J,0.063W	1	
R1290	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1292,93	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-42PX60B
R1296,97	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-42PX60B
R1298-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	5	TH-42PV60E
R1303-06	ERJ2GEJ220	M 22 OHM, J,0.063W	4	TH-42PX60B
R1307	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1308	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1309-12	ERJ2GEJ220	M 22 OHM, J,0.063W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1313,14	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R1315	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1316	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1318,19	ERJ2GEJ512X	M5.12KOHM, J,0.063W	2	
R1321	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1322	ERJ2GEJ100	M 10 OHM, J,0.063W	1	
R1323,24	ERJ2GEJ823	M 82KOHM, J,0.063W	2	
R1325,26	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1327,28	ERJ2GEJ683	M 68KOHM, J,0.063W	2	
R1329,30	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1331,32	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1333	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1334	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1335	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1336	ERJ2GEJ225	M 1MOHM, J,0.063W	1	
R1337	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1340	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PV60E
R1341	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1344	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1346	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1350,51	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1352	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1353	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R1354	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1355	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1358	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1359	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1360	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R1361	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1363	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1364	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1365	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1367	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1368	ERJ2GEJ183	M 18KOHM ,J,0.063W	1	
R1369	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1370	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1372	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1373	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1375	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1376	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1377	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1378	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1379	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R1380	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1381	ERJ2GEJ474	M 470KOHM, J,0.063W	1	
R1384	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1389	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1408	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1410	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1411	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1412,13	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1426-32	ERJ8GEY0R00	M 0 OHM, 1/8W	7	
R1436,37	ERJ2GEJ561	M 60 OHM, J,0.063W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1439	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1441	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1446,47	ERJ2GEJ471	M 470 OHM, J,0.063W	2	
R1448,49	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1451	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1452	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PV60E
R1454	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1458,59	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1461,62	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1466	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1467	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1470	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1472,73	ERJ2GEJ301	M 300 OHM, J,0.063W	2	
R1474	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1475	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1478	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1479	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1480	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PV60E
R1489	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1490	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PV60E
R1491	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R1526	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1530,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1554,55	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1556	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R2005	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2006-11	ERJ6GEYJ223	M 22KOHM,J,1/10W	6	
R2012	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2013,14	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R2015,16	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2018,19	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2023	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2027,28	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2031	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2033	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2035,36	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2038	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2040	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2042	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R2043	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2044	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2045,46	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2048	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2049,50	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2051,52	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R2053	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2054	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2101,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2113,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2116	J0JCC0000241	CHIP INDUCTOR	1	
R2124,25	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2126,27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2128,29	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2130	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2131	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R2132	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2133	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2135,36	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2137	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2138	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2147	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2148,49	ERJ3EKF6342	M6.34KOHM, 1/16W	2	
R2152	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2154	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2155,56	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2158	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2160	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2161	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2162	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2163	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2164	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2165,66	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R2167	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2168,69	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2170-77	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R2181	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2182,83	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2184-87	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R2188	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2190	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2192,93	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2195,96	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2197	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2199,00	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2202	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2203	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2204	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2208	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2209	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2210	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R2211	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2213	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2214	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2215	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2219	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2220	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R2224,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2227	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2230,31	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2232,33	ERJ3GEYJ153	M 15KOHM,J,1/16W	2	
R2234,35	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2236	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2238,39	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2246	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R2302	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2303	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2304	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2305	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2306	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2307	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2310	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2310	ERJ3GEYJ184	M 180KOHM,J,1/16W	1	(H)
R2311	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2311	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	(H)
R2312	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2323,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2325	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2329	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2332	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2338	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2341	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2349	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2354	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2357	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2359	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2360	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2361	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2363	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2364	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2365	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2368	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2369	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2372,73	ERJ6GEYJ681	M 680 OHM,J,1/10W	2	
R2375	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2376	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2379,80	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R2383	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	
R2384	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2387	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2388	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	(PA)
R2388,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	(H)
R2390	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R2391	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2392	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2393	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2396	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2397	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(H)
R2397	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2398	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	(H)
R2398	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2399	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2400	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2401,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2403	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2404,05	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2406	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2407	ERJ3EKF1241	M1.24KOHM, 1/16W	1	
R2408	ERJ3EKF1071	M1.07KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2409	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2410	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2421	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2422	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2512	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2516	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2517	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2520	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R2521	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2524	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2539	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	TH-42PX60B
R2540	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	TH-42PX60B
R2542	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2554	ERJ6ENF75R0	M 75 OHM, 1/10W	1	TH-42PX60B
R2557	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2559	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2560	ERJ3EKF5760	M 576 OHM, 1/16W	1	
R2567	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PX60B
R2572	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PX60B
R3001,02	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3003-05	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3006-08	ERJ6ENF1500	M 150 OHM, 1/10W	3	
R3009-15	ERJ6ENF75R0	M 75 OHM, 1/10W	7	
R3016,17	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3018,19	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R3020-22	ERJ6ENF2202	M 2.2KOHM, 1/10W	3	
R3023,24	ERJ6ENF1202	M 12KOHM, 1/10W	2	
R3025	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3026	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3027,28	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3030-32	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3033,34	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R3041,42	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	2	
R3043	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3044,45	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3048	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R3049	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3050	ERJ3GEYJ242	M 2.4KOHM,J,1/16W	1	
R3051	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3052	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3057,58	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3059-64	ERJ3GEYJ221	M 220 OHM,J,1/16W	6	
R3068	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3070	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3072-75	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R3076	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3077	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3078	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3086-88	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3089,90	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3092	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3094-01	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R3102	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3105	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R3107	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3109	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3111-14	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3115	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3118	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3121	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3122	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3123	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3125	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3126	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3127	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3130,31	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3132,33	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3136	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3138	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3139	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3140	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3141	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3143	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3144	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3145	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3146	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3149	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3150	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3151	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3152	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3153,54	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3155	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3156	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3157	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3158,59	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3160,61	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3163	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R3206	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3213,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3215	J0JCC0000241	CHIP INDUCTOR	1	
R3222	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3227-29	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3233,34	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3238	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3239	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R3245-48	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3249	J0JCC0000241	CHIP INDUCTOR	1	
R3250,51	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3302	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3305	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3306,07	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3308,09	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3310	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3312	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3313	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3317	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3318	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3320	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3323,24	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3330	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3336	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3337	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3338	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3339	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3340	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3341	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3342	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3343	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3344	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3345	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3346	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3347	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3348,49	ERJ3GEYJ680	M 68 OHM,J,1/16W	2	
R3350-52	ERJ3GEYJ510	M 51 OHM,J,1/16W	3	
R3704	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3709-11	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3716,17	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3721	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3732	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3733	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3736-41	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R3746	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3748	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3750	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3751	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R3753	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R3754	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R3755	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3757	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3758	ERJ6ENF6651	M6.65KOHM, 1/10W	1	
R3759-64	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
R3765	ERJ6ENF2321	M2.32KOHM, 1/10W	1	
R3767	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R3768	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4001	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4004	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4008	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4010	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4018	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PV60E
R4019	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4021	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4022	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4024,25	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4026,27	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R4029	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4031-33	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R4037-39	D1HG1038A002	NETWORK RESISTER	3	
R4040,41	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4045,46	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4101	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4257	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R4265	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R4269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4271,72	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4286,87	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4293	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4338-43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	6	
R4457	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4465	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R4469,70	ERJ3EKF1500	M 150 OHM, 1/16W	2	
R4472	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R4474	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4479,80	ERJ3EKF4220	M 422 OHM, 1/10W	2	
R4481	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4482,83	ERJ3EKF1781	M1.78KOHM, 1/16W	2	
R4486	ERJ3EKF4870	M 487 OHM, 1/16W	1	
R4487	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R4488	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4490	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4492	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4495	ERJ3EKF4302	M 43KOHM, 1/16W	1	
R4496-99	ERJ6GEYJ102	M 1KOHM,J,1/10W	4	
R4500	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R4501,02	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R4503	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4505	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4506	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4508	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4510	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4517	ERJ3EKF1371	M 13.7 OHM, 1/16W	1	
R4520	ERJ3EKF1691	M1.69KOHM, 1/16W	1	
R4521,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4527	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4533	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4534,35	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R4544	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4550	EXB28V220J	RESISTOR ARRAY	1	
R4552	EXB28V220J	RESISTOR ARRAY	1	
R4554	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4555	EXB28V220J	RESISTOR ARRAY	1	
R4560,61	EXB28V220J	RESISTOR ARRAY	2	
R4563-65	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R4568	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4572	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4575	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4577-79	ERJ2GEJ222	M 2.2KOHM, J,0.063W	3	
R4583,84	ERJ2GEJ390	M 39 OHM, J,0.063W	2	
R4589-04	ERJ2GEJ2R7X	M 2.7OHM, J,0.063W	16	
R4605,06	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4607	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4609,10	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4612,13	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4617,18	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4619	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4620	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4621	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4622	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4624	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4626	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4628	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4629-32	ERJ2GEJ472	M 4.7KOHM, J,0.063W	4	
R4633,34	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4636	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4637	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4639	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4640	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4641	EXB28V330J	RESISTOR ARRAY	1	
R4642-45	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4647	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4648	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4655	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4657	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R4658	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4660	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4661	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4662	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4665	EXB2HV220JV	RESISTOR ARRAY	1	
R4667	EXB2HV220JV	RESISTOR ARRAY	1	
R4668	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4669	EXB2HV220JV	RESISTOR ARRAY	1	
R4672,73	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4675	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4677	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4679,80	ERJ3EKF2202	M 22KOHM, 1/16W	2	
R4681,82	ERJ3EKF3302	M 33KOHM, 1/16W	2	
R4701	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4706	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4708,09	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4710	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4711	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4712	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4713,14	EXB2HV221JV	RESISTOR ARRAY	2	
R4715	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4718-20	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4727	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4729,30	ERJ3EKF1000	M 100 OHM, 1/16W	2	
R4731	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R4732	ERJ3EKF4751	M4.75KOHM, 1/16W	1	
R4733	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R4734	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4735	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R4737	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4738,39	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R4743-47	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4749,50	EXB2HV680J	RESISTOR ARRAY	2	
R4751-54	ERJ2GEJ220	M 22 OHM, J,0.063W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4756-60	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4762	EXB2HV680J	RESISTOR ARRAY	1	
R4763-65	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
R4772	EXB2HV470JV	RESISTOR ARRAY	1	
R4773	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4774	EXB2HV470JV	RESISTOR ARRAY	1	
R4775	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4776	EXB2HV470JV	RESISTOR ARRAY	1	
R4777	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4778	EXB2HV470JV	RESISTOR ARRAY	1	
R4779	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4782	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4783	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4784	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4785	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4788	EXB2HV470JV	RESISTOR ARRAY	1	
R4791,92	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R4793,94	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4796	EXB2HV470JV	RESISTOR ARRAY	1	
R4804	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4805,06	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R4807-11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	5	
R4814	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4816,17	ERJ2GEJ223	M 22KOHM, J,0.063W	2	
R4819	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4822	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4823-25	J0JAD0000025	CHIP INDUCTOR	3	
R4826,27	EXB2HVR000	RESISTOR ARRAY	2	TH-42PX60B
R4830,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
R4837	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4838	ERJ2GEJ112	M 1.1KOHM, J,0.063W	1	
R4840	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R4891	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4898	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4960	EXB2HV680J	RESISTOR ARRAY	1	
R4961-63	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4964	EXB2HV680J	RESISTOR ARRAY	1	
R4965,66	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4967	EXB2HV680J	RESISTOR ARRAY	1	
R4968-72	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R5601	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R5603	ERJ3EKF1542	M15.4KOHM, 1/16W	1	
R5605	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5606	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5607	ERJ3EKF4531	M4.53KOHM, 1/16W	1	
R5609	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R5611	ERJ6ENF8202	M 82KOHM, 1/10W	1	
R5612	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R5615	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5617	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5619	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5620	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5621	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5625-27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5632	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5633	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5634	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5635	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5637,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5639	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5640	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5641	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5642	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5643	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5644	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5645	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R5646	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R5647	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5648	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R5649	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R5650	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5652	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5653,54	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5659	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R5660	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5662	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5664	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5665	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5667-69	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R5672	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5676	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5692	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5693	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5694	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5695	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5801	ERJ3EKF8450	M 845 OHM, 1/16W	1	
R5802	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R5803	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R5804	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5805-08	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R5809	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5822-24	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R5826	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R5836	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R6001-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6020	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6021	ERJ14YJ150U	M 15 OHM, J,1/4W	1	
R6022	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6023-27	ERJ14YJ150U	M 15 OHM, J,1/4W	5	
R6031,32	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041-44	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6051-54	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6061,62	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6101-08	ERJ6GEYJ101	M 100 OHM,J,1/10W	8	
R6109	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6110	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6111,12	D0GD470JA036	M 47 OHM,J,0.25W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6114	D0GD470JA036	M 47 OHM,J,0.25W	1	
R6116	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6131,32	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6133,34	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6135,36	D0GD100JA036	M 10 OHM,J,0.25W	2	
R6141,42	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6146,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6153,54	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6155,56	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6157-60	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	4	
R6171	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6172,73	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6181	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6182,83	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6191-94	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6195	D0GD104JA036	M 100KOHM,J,0.25W	1	
R6196	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6213	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6214	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	D0GD203JA036	M 20KOHM,J,0.25W	1	PAVCCZ
R6226,27	ERJ6GEYJ163	M 16KOHM,J,1/10W	2	
R6228	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6229	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R6231	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6244	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6245	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6246	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6251	D0GD103JA036	M 10KOHM,J,0.25W	1	
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6255	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6256	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6257	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6441-44	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6451-54	ERJ14YJ100	M 10 OHM, J,1/4W	4	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6474	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6477	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6503	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6504,05	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6506	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6507-09	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	3	
R6511,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6516,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6523,24	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6525,26	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6531	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6532,33	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6551	D0GD100JA036	M 10 OHM,J,0.25W	1	
R6552,53	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	D0GD103JA036	M 10KOHM,J,0.25W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6585	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6586	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6587	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6604	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6606	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6607	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6608,09	D0GF102JA047	M 1.0 KOHM,J,0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6614,15	D0GF243JA047	M 24 KOHM,J,0.33W	2	
R6616	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R6617	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6618	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R6619	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6621,22	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6641,42	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6644,45	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6647,48	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6662	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM,J,0.33W	1	
R6665	ERJ14YJ470	M 47 OHM,J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6673,74	D0GD5R6JA059	M 5.6 OHM,J,0.25W	2	
R6682	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6683	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6687	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6696,97	D0D32R2JA020	M 2.2 OHM,J,5W	2	
R6700-08	ERJ6GEYJ471	M 470 OHM,J,1/10W	9	
R6710-18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6721,22	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6724	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6746,47	D0GD103JA036	M 10KOHM,J,0.25W	2	
R6755	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6756-58	D0GD101JA059	M 100 OHM,J,0.25W	3	
R6759	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6775,76	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6777	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6781	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6791	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6801,02	ERX1FJSR22D	M0.22 OHM, J, 1W	2	
R6806	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6807	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6808	ERG3FJS560D	M 56 OHM, J, 3W	1	
R6809	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6815	ERG2FJS183D	M 18KOHM, J, 2W	1	
R6816	ERJ6ENF1582	M15.8KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6817	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R6821	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6825,26	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R6827	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6828	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6829,30	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6831	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R6833-35	ERJ6ENF5602	M 56KOHM, 1/10W	3	
R6836	ERJ6ENF6802	M 68KOHM, 1/10W	1	
R6837	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ14YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM,J,1/10W	1	
R6844	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6845	ERJ6GEYJ623	M 62KOHM,J,1/10W	1	
R6846,47	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R6848	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6849,50	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862,63	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865,66	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R6867	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6869	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6886-88	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R6905	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6909	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6913	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6917	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6924	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6931-34	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6951	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6952-54	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R6955	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6959	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6963	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6967	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6971	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6981-84	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R7112	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7113,14	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7115	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7116	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7118,19	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7120	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7122-25	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7126	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7127,28	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7132-37	EXB38V470J	RESISTOR ARRAY	6	
R7139,40	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7142-45	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7146	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7149	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7151-54	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7155	EXB38V102J	RESISTOR ARRAY	1	
R7156	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7158,59	EXB38V470J	RESISTOR ARRAY	2	
R7162-67	EXB38V102J	RESISTOR ARRAY	6	
R7169	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7171-74	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7175	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7177	EXB38V102J	RESISTOR ARRAY	1	
R7179,80	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7186,87	EXB38V470J	RESISTOR ARRAY	2	
R7201-07	EXB38V470J	RESISTOR ARRAY	7	
R7208-10	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7212-15	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7216	EXB38V470J	RESISTOR ARRAY	1	
R7217	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7219	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7221	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7223-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7227	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7229	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7231	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7232-35	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7236	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7237-42	EXB38V102J	RESISTOR ARRAY	6	
R7245	EXB38V102J	RESISTOR ARRAY	1	
R7246-49	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7250,51	EXB38V470J	RESISTOR ARRAY	2	
R7256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7258	EXB38V102J	RESISTOR ARRAY	1	
R7260	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7262-65	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7266	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7269	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7270	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7271	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8001	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8002	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-42PX60B
R8003,04	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-42PX60B
R8006	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-42PX60B
R8008	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-42PX60B
R8010-12	ERJ2GEJ103	M 10KOHM, J,0.063W	3	TH-42PX60B
R8014,15	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8017,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-42PX60B
R8021,22	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8027	D1HG5608A002	NETWORK RESISTER	1	TH-42PX60B
R8028-30	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-42PX60B
R8033	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-42PX60B
R8034,35	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-42PX60B
R8036	ERJ3GEYJ163	M 16KOHM,J,1/16W	1	TH-42PX60B
R8038	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8039,40	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	TH-42PX60B
R8041	ERJ2GEJ154	M 150KOHM, J,0.063W	1	TH-42PX60B
R8046	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-42PX60B
R8047-50	ERJ2GEJ101	M 100 OHM, J,0.063W	4	TH-42PX60B
R8051	EXB38V330J	RESISTOR ARRAY	1	TH-42PX60B
R8052-55	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-42PX60B
R8056	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-42PX60B
R8057	ERJ2GEJ680	M 68 OHM, J,0.063W	1	TH-42PX60B
R8058	EXB38V330J	RESISTOR ARRAY	1	TH-42PX60B
R8059	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8073	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-42PX60B
R8074,75	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-42PX60B
R8076	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8078	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	TH-42PX60B
R8079	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PX60B
R8084,85	D1HG1218A002	NETWORK RESISTER	2	TH-42PX60B
R8086-88	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-42PX60B
R8101	ERJ3GEYF181	M 180 OHM,J,1/16W	1	TH-42PX60B PAVCCZ
R8104	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8106,07	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8108	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-42PX60B
R8109	ERJ3EKF2202	M 22KOHM, 1/16W	1	TH-42PX60B
R8110	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	TH-42PX60B
R8111	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8112,13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-42PX60B
R8115	ERJ3GEYF272	M 2.7KOHM, 1/16W	1	TH-42PX60B
R8117	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	TH-42PX60B
R8123	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PX60B
R8124	ERJ2GEJ471	M 470 OHM, J,0.063W	1	TH-42PX60B
R8127	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8132,33	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8136	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8137	ERJ2GEJ121	M 120 OHM, J,0.063W	1	TH-42PX60B
R8140,41	ERJ3EKF1001	M 1KOHM, 1/16W	2	TH-42PX60B
R8144,45	D1HG5608A002	NETWORK RESISTER	2	TH-42PX60B
R8148,49	D1HG3908A002	NETWORK RESISTER	2	TH-42PX60B
R8150-59	ERJ2GEJ390	M 39 OHM, J,0.063W	10	TH-42PX60B
R8161,62	ERJ2GEJ390	M 39 OHM, J,0.063W	2	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8163	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8165	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8167-71	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-42PX60B
R8172	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PX60B
R8173	EXB38V560J	RESISTOR ARRAY	1	TH-42PX60B
R8175,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8183	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8184	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PX60B
R8187	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8188	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PX60B
R8193	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8195,96	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8201-04	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-42PX60B
R8215	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8216,17	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8218,19	D1HG33080001	NETWORK RESISTER	2	TH-42PX60B
R8220-22	D1HG5608A002	NETWORK RESISTER	3	TH-42PX60B
R8223	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8224,25	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8226	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-42PX60B
R8232-43	ERJ2GEJ330	M 33 OHM, J,0.063W	12	TH-42PX60B
R8244	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8245,46	ERJ2GEJ330	M 33 OHM, J,0.063W	2	TH-42PX60B
R8250	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8252-54	ERJ2GEJ330	M 33 OHM, J,0.063W	3	TH-42PX60B
R8255	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8256	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-42PX60B
R8257	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8259	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8260-63	ERJ2GEJ560	M 56 OHM, J,0.063W	4	TH-42PX60B
R8264-68	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-42PX60B
R8269	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8271	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8272	EXB38V560J	RESISTOR ARRAY	1	TH-42PX60B
R8273	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8275	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8277	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8279	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8282	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8284	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8286,87	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8290	EXB38V560J	RESISTOR ARRAY	1	TH-42PX60B
R8291,92	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8310-15	ERJ3EKF75R0	M 0.75HM, 1/16W	6	TH-42PX60B
R8319	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-42PX60B
R8320	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-42PX60B
R8321	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-42PX60B
R8349	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PX60B
R8350	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-42PX60B
R8351	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-42PX60B
R8352	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-42PX60B
R8353	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-42PX60B
R8354	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-42PX60B
R8355,56	EXB2HV104JV	RESISTOR ARRAY	2	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8357,58	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-42PX60B
R8366	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8367,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8372-76	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-42PX60B
R8401	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-42PX60B
R8402	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PX60B
R8403	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8404,05	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8406	ERJ8RSJR10	M 1 OHM, 1/8W	1	TH-42PX60B
R8407	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-42PX60B
R8414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8415,16	ERJ2GEJ223	M 22KOHM, J,0.063W	2	TH-42PX60B
R8417,18	EXB38V473J	RESISTOR ARRAY	2	TH-42PX60B
R8419,20	EXB38V101J	RESISTOR ARRAY	2	TH-42PX60B
R8421	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PX60B
R8422	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PX60B
R8423	ERJ2GEJ821	M 820 OHM, J,0.063W	1	TH-42PX60B
R8425,26	EXB38V101J	RESISTOR ARRAY	2	TH-42PX60B
R8427-31	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-42PX60B
R8433,34	EXB38V560J	RESISTOR ARRAY	2	TH-42PX60B
R8443	EXB38V560J	RESISTOR ARRAY	1	TH-42PX60B
R8444	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PX60B
R8445,46	ERJ2GEJ151	M 150 OHM, J,0.063W	2	TH-42PX60B
R8447	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PX60B
R8448	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PX60B
R8449,50	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8451	EXB38V104J	RESISTOR ARRAY	1	TH-42PX60B
R8452	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PX60B
R8453	EXB38V104J	RESISTOR ARRAY	1	TH-42PX60B
R8454	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PX60B
R8456-59	EXB38V560J	RESISTOR ARRAY	4	TH-42PX60B
R8460	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PX60B
R8461	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8462,63	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
R8464	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8465	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8466	EXB38V560J	RESISTOR ARRAY	1	TH-42PX60B
R8467,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8469	EXB38V151J	RESISTOR ARRAY	1	TH-42PX60B
R8474	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8475,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8477,78	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PX60B
R8479	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-42PX60B
R8480-82	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-42PX60B
R8483	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-42PX60B
R8484	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PX60B
R8485	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-42PX60B
R8486	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PX60B
R8487	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PX60B
R8488	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8489	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-42PX60B
R8491	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-42PX60B
R8492	ERJ3EKF1802	M 18KOHM, 1/16W	1	TH-42PX60B
R8493	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-42PX60B

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8494	ERJ3EKF9101	M 9.1KOHM, 1/16W	1	TH-42PX60B
R8495	EXB38V151J	RESISTOR ARRAY	1	TH-42PX60B
R8496	EXB38V560J	RESISTOR ARRAY	1	TH-42PX60B
R8497	ERJ3EKF3300	M 330 OHM, 1/16W	1	TH-42PX60B
R8498	ERJ3EKF2200	M 220 OHM, 1/16W	1	TH-42PX60B
R8499	ERJ3EKF2432	M24.3KOHM, 1/16W	1	TH-42PX60B
R8500	ERJ3EKF1052	M10.5KOHM, 1/16W	1	TH-42PX60B
R8501	ERJ3EKF5601	M 5.6KOHM, 1/16W	1	TH-42PX60B
R8502	ERJ3EKF2402	M 24KOHM, 1/16W	1	TH-42PX60B
R8503,04	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PX60B
R8505	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PX60B
R8538,39	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-42PX60B
R8546	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-42PX60B
R8547	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-42PX60B
R8601	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PX60B
R8602-04	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-42PX60B
R8605,06	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-42PX60B
R8608	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-42PX60B
R8610	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-42PX60B
R8611	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PX60B
R8614	ERJ2GEJ221	M 220 OHM, J,0.063W	1	TH-42PX60B
R8615	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8701-08	ERJ2GEJ560	M 56 OHM, J,0.063W	8	TH-42PX60B
R8729-36	ERJ2GEJ103	M 10KOHM, J,0.063W	8	TH-42PX60B
R8827,28	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-42PX60B
R8831,32	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
R8862-64	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	TH-42PX60B
R8899,00	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
R8912	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8927	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8930	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8931,32	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-42PX60B
R8933,34	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PX60B
R8936	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8954	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PX60B
R8960	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PX60B
R8962-64	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-42PX60B
R8967,68	EXB2HV473JV	RESISTOR ARRAY	2	TH-42PX60B PAVCCZ
R8969-71	ERJ2GEJ473	M 47KOHM,J,0.063W	3	TH-42PX60B
R9060-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	8	
R9070	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9074	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9096	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9098	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9099	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9100,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9105	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9110	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9111	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9127	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9140	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9152,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156-59	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9160,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9164-66	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9167,68	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9177	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9178	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9179	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9181-84	ERJ3GEYJ102	M 1KOHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9203	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9206,07	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9215	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9232	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9317	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	
R9348	D1HG8208A002	NETWORK RESISTER	1	
R9349	EXB38V820J	RESISTOR ARRAY	1	
R9350,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9352	EXB38V820J	RESISTOR ARRAY	1	
R9353,54	D1HG8208A002	NETWORK RESISTER	2	
R9355,56	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9357-59	D1HG8208A002	NETWORK RESISTER	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9360	EXB38V820J	RESISTOR ARRAY	1	
R9361,62	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9367	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9368	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9379	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9380	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9382	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9390	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9391	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9394	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9395	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9501	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9511-13	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9514	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9516	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9518	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9523	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9525	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9526	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9527,28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529,30	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9537	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9539	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9543,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM,J,1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9552	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9555	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R9821	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9823-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9830,31	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838,39	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9841	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9842-44	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9846,47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9861-63	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9905	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9917,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9919,20	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9922	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9929	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9936-39	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9940	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9941,42	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9943-51	EXB38V470J	RESISTOR ARRAY	9	
R9952-55	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9956	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
RM2501	PNA4701M05TV	REMOTE RECEIVER	1	
RTL	TZTNP01BJTB	CIRCUIT BOARD D	1	PAVCCZ ⚠
RTL	TNPA3740AB	CIRCUIT BOARD XV	1	TH-42PX60B PAVCCZ ⚠
RTL	TNPA3756CB	CIRCUIT BOARD DG	1	TH-42PV60E PAVCCZ ⚠
RTL	TNPA3756CH	CIRCUIT BOARD DG	1	TH-42PX60B PAVCCZ ⚠
RTL	TNPA3759AB	CIRCUIT BOARD H	1	PAVCCZ ⚠
RTL	TNPA3766	CIRCUIT BOARD HC	1	PAVCCZ ⚠
RTL	TNPA3767	CIRCUIT BOARD TA	1	TH-42PV60E PAVCCZ ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TNPA3767AB	CIRCUIT BOARD TA	1	TH-42PX60B PAVCCZ ⚠
RTL	TNPA3761AC	CIRCUIT BOARD PA	1	⚠
RTL	TNPA3812AB	CIRCUIT BOARD C1	1	PAVCCZ ⚠
RTL	TNPA3813AB	CIRCUIT BOARD C2	1	PAVCCZ ⚠
RTL	TNPA3911	CIRCUIT BOARD P	1	⚠
RTL	TNPA3814AB	CIRCUIT BOARD SC	1	PAVCCZ ⚠
RTL	TNPA3819AB	CIRCUIT BOARD SD	1	PAVCCZ ⚠
RTL	TNPA3815AB	CIRCUIT BOARD SS	1	PAVCCZ ⚠
RTL	TNPA3818AB	CIRCUIT BOARD SU	1	PAVCCZ ⚠
RTL	TNPA3764AE	CIRCUIT BOARD G	1	PAVCCZ ⚠
RTL	TNPA3848AD	CIRCUIT BOARD GK	1	⚠
RTL	TNPA3762AC	CIRCUIT BOARD K	1	TH-42PV60E ⚠
RTL	TNPA3762AD	CIRCUIT BOARD K	1	TH-42PV60B ⚠
RTL	TNPA3763AC	CIRCUIT BOARD S	1	⚠
S1	K1KA03BA0061	3P CONNECTOR	1	
SC2	K1KA02A00626	2P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41,42	K1ML80B00001	80P CONNECTOR	2	
SC45,46	K1KA09A00239	9P CONNECTOR	2	
SCMM1	TMME260	CLAMPER	1	
SCMM3	TMME260	CLAMPER	1	
SD1-D4	K1MN96B00005	96P CONNECTOR	4	
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41-44	K1MN13B00020	13P CONNECTOR	4	
SU1-U4	K1MN96B00005	96P CONNECTOR	4	
SU45	K1KB09A00045	9P CONNECTOR	1	
SW2500	K0F162B00002	SWITCH	1	
SW3753-57	EVQ11G05R	SWITCH	5	
T6602	ETS25AZ139AD	SWITCHING TRANS	1	
TA5	K1KB15B00013	15P CONNECTOR	1	
TA6	K1KB09B00019	9P CONNECTOR	1	
TU001	ENG37A12GF	TUNER	1	TH-42PV60E ⚠
TU001	ENGF7301GF	TUNER	1	TH-42PX60B PAVCCZ ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
TU8001	ENV57M01D8F	TUNER	1	TH-42PX60B PAVCCZ ⚠
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
X1100	H0J100500030	CRYSTAL	1	
X1101	H0J327200114	CRYSTAL	1	
X2101	H0J184500027	CRYSTAL	1	
X4004	H0J270500087	CRYSTAL	1	
X8003	H0J241500003	CRYSTAL	1	TH-42PX60B PAVCCZ
X8006	H0J270500090	CRYSTAL	1	TH-42PX60B PAVCCZ
X9000	H2D200500011	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
XV01	K1KAB0A00011	CONNECTOR	1	TH-42PX60B
ZA2101-08	TESA169	SHIELD CLIP	8	
ZA2300,01	K4CZ01000027	COMPATIBLE WITH JALCO K9	2	
ZA3401-05	K4CZ01000027	COMPATIBLE WITH JALCO K9	5	
ZA3701	K4CD01000013	TERMINAL	1	
ZA4001,02	K4CD08000002	TERMINAL	2	
ZA6001,02	K4CD01000011	TERMINAL	2	
ZA6005	K4CD01000011	TERMINAL	1	
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-04	K4CD01000013	TERMINAL	4	
ZA7201-04	K4CD01000013	TERMINAL	4	
ZA9001	K4CD01000011	TERMINAL	1	
C402	F1J1C1050011	C 1UF, Z, 50V	1	
C404	F0CAF105A021	C 1UF, 250V	1	⚠
C407	EEUEB2W220B	E 22UF, 450V	1	⚠
C408	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C409	F0CAF225A021	C 22UF, 250V	1	⚠
C410	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C413	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C414	ECQU2A473ML	P 0.047UF, M,250V	1	⚠
C421	F1J1C1050011	C 1UF, Z, 50V	1	
C422	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429	F1E2J4730001	C 0.047PF, , 600V	1	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432	F1J1C1050011	C 1UF, Z, 50V	1	
C433	ECJ3XB1E104K	C 0.1UF, K, 25V	1	
C434	F1J1C1050011	C 1UF, Z, 50V	1	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446,47	F2B2W2010001	C 200UF, 450V	2	⚠
C450	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF,J,1.2KV	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C467	ECKCNA221KB7	C 220PF, M,	1	⚠
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C469	ECKCNA221KB7	C 220PF, M,	1	⚠
C470	F0CAF105A021	C 1UF, 250V	1	⚠
C473,74	ECKCNA101KB7	C 100PF	2	⚠
C476	ECKCNA101KB7	C 100PF	1	⚠
C478	ECKCNA101KB7	C 100PF	1	⚠
C493	ECA1HM470	E 47UF, 50V	1	
C494	F2A2E1R00008	E 1.0UF, 250V	1	
C497	ECA1HM470	E 47UF, 50V	1	
C501,02	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C503	ECJ2XC1H471J	C 470PF, J, 50V	1	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506,07	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C508	ECJ2XC1H471J	C 470PF, J, 50V	1	
C509	ECA1EHG101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	F2A1A1220011	E 1200UF, 10V	1	
C516	ECJ2XB1C474K	C 0.47UF, Z, 16V	1	
C517	F2A1E221A096	E 220UF, 25V	1	
C518	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C519	F1J1C1050011	C 1UF, Z, 50V	1	
C520	ECWH8683RHV	P 0.068PF, J, 8KV	1	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C526	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C531	ECJ3YB1E105K	C 1UF, K, 25V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C550	ECJ2XC1H331J	C 330PF, J, 50V	1	
C551,52	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C554	F1J1C1050011	C 1UF, Z, 50V	1	
C555	F2A2C471A119	E 470UF, 160V	1	⚠
C556,57	EEUFC1E152	E 1500UF, 25V	2	
C558	F2A1E471A096	E 470UF, 25V	1	
C559	F2A1A1220011	E 1200UF, 10V	1	
C562	ECJ2XB1H223K	C 0.022UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C571	ECJ2XC1H330J	C 33PF, J, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	F2A2A330A022	E 33UF, 100V	1	⚠
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584,85	ECJ2XB1H223K	C 0.022UF, K, 50V	2	
C587	ECJ2XB1H332K	C 3300PF, K, 50V	1	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECJ2FB1E105K	C 1UF, K, 25V	1	
C604,05	F2A2D1510008	E 150UF, 200V	2	⚠
C607	F1J1C1050011	C 1UF, Z, 50V	1	
C608	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2T1420003	E 142UF, 220V	1	⚠
C612,13	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C615	F2B2T1420003	E 142UF, 220V	1	⚠
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C625	ECA1HM100	E 10UF, 50V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C627	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C629-31	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C632	ECJ2XC1H331J	C 330PF, J, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	
C650	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C653	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C654	ECJ3YB1E105K	C 1UF, K, 25V	1	
C655,56	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C657	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C658	ECJ3YB1E105K	C 1UF, K, 25V	1	
C659	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C660	ECJ2FB1C225K	C 22UF, K, 16V	1	
C661,62	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
D401	B0FBCT000004	DIODE	1	⚠
D404	B0EBKT000007	DIODE	1	⚠
D407	MA111	DIODE	1	
D411	B0BB17000009	DIODE	1	
D412	B0HAMM000122	DIODE	1	
D415	B0JAME000099	DIODE	1	
D416	B0HAMP000067	DIODE	1	
D417	B0HAPR000013	DIODE	1	
D418	B0BC8R100013	DIODE	1	
D419,20	B0HAPR000013	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D429	ERA15-10	DIODE	1	
D430	MA111	DIODE	1	
D431,32	B0JCDD000002	DIODE	2	
D433	B0BC01400033	DIODE	1	
D435	ERA15-10	DIODE	1	
D436-38	MA4200M	ZENER DIODE	3	
D441	B0HAMM000122	DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA4360H	ZENER DIODE	1	
D501	B0HAPR000012	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000099	DIODE	1	
D506	MAZ80470LL	ZENER DIODE	1	
D507,08	B0BC7R400023	DIODE	2	
D509	B0JANG000018	DIODE	1	
D511	B0JAML000011	DIODE	1	
D512,13	MA111	DIODE	2	
D514	B0BC6R100025	DIODE	1	
D515	B0BC3R200008	DIODE	1	
D516-18	MA4330M	ZENER DIODE	3	
D520	MA111	DIODE	1	
D521	B0JAME000099	DIODE	1	
D528,29	MA153	DIODE	2	
D530	B0BC9R900013	DIODE	1	
D531	B0HBSN000013	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSG000026	DIODE	1	
D538	B0BC5R100039	DIODE	1	
D539,40	B0AARR000010	DIODE	2	
D542	MA4200M	ZENER DIODE	1	
D543	B0BC01400033	DIODE	1	
D544,45	MA4200M	ZENER DIODE	2	
D549	B0BC02500008	DIODE	1	
D551	B0BC01300033	DIODE	1	
D555	B0BC7R400023	DIODE	1	
D559	B0BC7R400023	DIODE	1	
D563	B0BC6R100025	DIODE	1	
D569-72	B0BC02500008	DIODE	4	
D574	MA165	DIODE	1	
D575	MA188	DIODE	1	
D579	MA165	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D585	B0BC7R400023	DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
D588	B0BC3R200008	DIODE	1	
D590	B0BC3R200008	DIODE	1	
D596	ERA15-10	DIODE	1	
D598	B0BC5R100039	DIODE	1	
D599	B0JCND000009	DIODE	1	
D600	B0BC7R400023	DIODE	1	
D601	B0BC5R100039	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D602	B0BC8R100013	DIODE	1	
F410	K5G102B00020	FUSE	1	⚠
IC401	CNC1S171R	IC	1	⚠
IC402	C0DAEMB00004	IC	1	
IC403-05	CNC1S171R	IC	3	⚠
IC406	C0DAZZZ00021	IC	1	
IC408	CNC1S171R	IC	1	⚠
IC409	MIP2G40MPSCF	IC	1	⚠
IC410	CNC1S171R	IC	1	⚠
IC411	C0DAEMB00004	IC	1	
IC412	CNC1S171R	IC	1	⚠
IC501	C2ABDB000108	IC	1	
IC502	C0EBH0000210	IC	1	
IC504	C0DAEMB00004	IC	1	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	
IC507	CNC1S171R	IC	1	
IC509	C0DABZZ00010	IC	1	
IC510	C0DBAZG00034	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	LSSK0062	IC	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00004	CHOKE COIL	2	⚠
L410	ELF17N004A	LINE FILTER	1	⚠
L510	EXCELDR25C	BEAD CHOKE	1	
L511	G0A470ZA0033	CHOKE COIL	1	
L512	ELESE4R7JA	PEAKING COIL	1	
L513	EXCELDR25C	BEAD CHOKE	1	
L514	G0A100GA0013	CHOKE COIL	1	
P2	K1KA02A00626	2P CONNECTOR	1	
P5	K1KA11AA0194	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06A00452	6P CONNECTOR	1	
P11	K1KA02A00626	2P CONNECTOR	1	
P12	K1KA10AA0194	10P CONNECTOR	1	
P23	K1KA03AA0193	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
PMM1	TMM7464-2	CLAMPER	1	
PMM2,M3	TMME088	CLAMPER	2	
PMM4-M6	TMM7464-2	CLAMPER	3	
PMM7	TMME047	CLAMPER	1	
PR401	K5Y502BA0001	FUSE	1	⚠
PR505	K5H5022A0023	FUSE	1	⚠
PR509	ERBSE0R50U	FUSE	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
PR601	K5G312B00012	FUSE	1	⚠
Q401	B1CHND000004	TRANSISTOR	1	
Q402	B1DFDD000019	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEKQ000003	TRANSISTOR	1	⚠
Q407	B1HFCFA00021	TRANSISTOR	1	
Q408,09	B1DHCD000034	TRANSISTOR	2	
Q412,13	B1DEGQ000070	TRANSISTOR	2	⚠
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q434	B1CEJQ000003	TRANSISTOR	1	
Q501,02	2SD1820A	TRANSISTOR	2	
Q505	B1CEJQ000002	TRANSISTOR	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	B1HBCFA00033	TRANSISTOR	1	
Q509	B1HDCEA00001	TRANSISTOR	1	
Q510	B1DHBD000005	TRANSISTOR	1	
Q512	B1CBGD000001	FET	1	
Q517	B1HBCFA00033	TRANSISTOR	1	
Q520	B1HBCFA00033	TRANSISTOR	1	
Q521	B1CBGD000001	FET	1	
Q524	B1CFGF000008	TRANSISTOR	1	
Q525	B1CBGD000001	FET	1	
Q527	B1CERL000005	TRANSISTOR	1	
Q530	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q537	B1DFDD000019	TRANSISTOR	1	
Q538	B1CBGD000001	FET	1	
Q540	B1DHCD000034	TRANSISTOR	1	
Q541	B1CBGD000001	FET	1	
Q551	B1CBGD000001	FET	1	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHCD000034	TRANSISTOR	1	
Q555,56	B1DFGD000045	TRANSISTOR	2	
Q557-59	2SD1819A	TRANSISTOR	3	
Q561	2SD1819A	TRANSISTOR	1	
Q563	B1CFGF000008	TRANSISTOR	1	
Q564,65	2SB1218ARL	TRANSISTOR	2	
Q566	2SD1819A	TRANSISTOR	1	
Q568	B1CHGD000006	TRANSISTOR	1	
Q569	B1CBGD000001	FET	1	
R401	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R402	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R403	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R404	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R406	ERX12SJ2R2V	M 2.2 OHM, J,1/2W	1	
R407	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R410	D1F5100E0003	CHIP RESISTOR	1	⚠
R412	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R413	D1F5100E0003	CHIP RESISTOR	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R416	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R420	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R422	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R423	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R434	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R435	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERG12SJ120	M 12 OHM, J,1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R448,49	D0XGR08J0001	M 0.08OHM,J, 5W	2	
R450	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R453	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R455	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R456	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R459	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R461	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R467	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R471	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J,1/4W	2	
R478	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R480	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R483	D0BF225JA030	M 22MOHM,J,0.05W	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R488	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R492	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R493	ERG12SJ120	M 12 OHM, J,1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R498	ERG3SJ101	M 100 OHM, J, 3W	1	
R499	D0BF394JA029	M 390KOHM,J,0.05W	1	⚠
R501	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J,1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R523	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R524	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R528	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R529	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R530	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R532	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R533	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R534	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R535,36	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R537	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R539	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R540,41	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R542	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R543	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R547	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R548	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R549	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R550	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R551	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R552	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R553	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R554	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R557	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

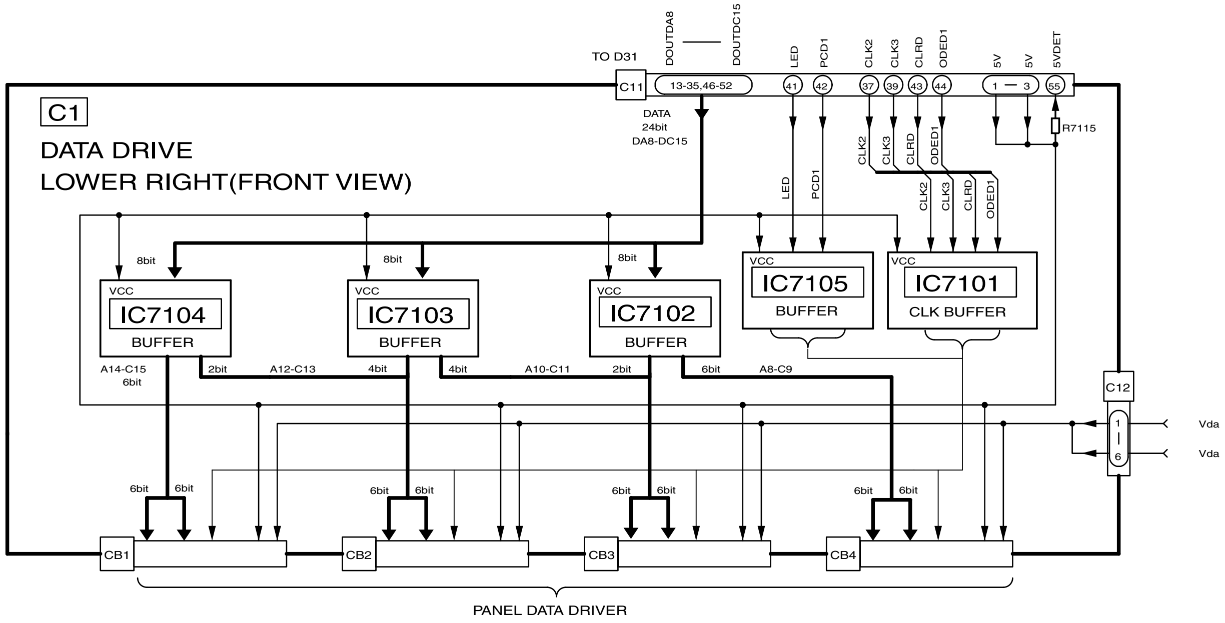
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R558	**ERJ6GEYJ474**	**M 470KOHM,J,1/10W**	**1**	
R559	**ERJ6ENF8201**	**M 8.2KOHM, 1/10W**	**1**	
R560	**ERJ6ENF9101**	**M 9.1KOHM, 1/10W**	**1**	
R561	**ERJ6ENF5101**	**M 5.1KOHM, 1/10W**	**1**	
R562	**ERJ6ENF4701**	**M 4.7KOHM, 1/10W**	**1**	
R563	**ERJ6GEYJ2R2**	**M 2.2 OHM,J,1/10W**	**1**	
R564	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R565,66	**ERJ6GEYJ105**	**M 1MOHM,J,1/10W**	**2**	
R567,68	**ERJ8ENF1004**	**M 100KOHM, 1/8W**	**2**	
R569	**ERJ6ENF3302**	**M 33KOHM, 1/10W**	**1**	
R570	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R571	**ERJ6GEYJ105**	**M 1MOHM,J,1/10W**	**1**	
R572,73	**ERJ8ENF3900**	**M 390 OHM, 1/8W**	**2**	
R574	**ERJ6GEYJ331**	**M 330 OHM,J,1/10W**	**1**	
R575	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R576	**ERJ6ENF1202**	**M 12KOHM, 1/10W**	**1**	
R577,78	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**2**	
R579	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R580,81	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**2**	
R582	**ERJ6ENF1002**	**M 10KOHM, 1/10W**	**1**	
R583	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**1**	
R584	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R585	**ERJ6GEYJ333**	**M 33KOHM,J,1/10W**	**1**	
R586	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**1**	
R587	**ERJ8RSJR16V**	**M 16 OHM, 1/8W**	**1**	
R588	**ERJ8ENF3900**	**M 390 OHM, 1/8W**	**1**	
R589,90	**ERJ8GEYJ123**	**M 12KOHM, J,1/8W**	**2**	
R591	**ERJ6GEYJ105**	**M 1MOHM,J,1/10W**	**1**	
R592	**ERJ6ENF3001**	**M 3KOHM, 1/10W**	**1**	
R593	**ERJ6ENF5601**	**M 5.6KOHM, 1/10W**	**1**	
R594	**ERJ6GEYJ151**	**M 150 OHM,J,1/10W**	**1**	
R595	**ERJ8GEYJ222**	**M 2.2KOHM, J,1/8W**	**1**	
R596	**ERJ6GEYJ101**	**M 100 OHM,J,1/10W**	**1**	
R597,98	**ERJ6ENF3302**	**M 33KOHM, 1/10W**	**2**	
R599,00	**ERJ8ENF3900**	**M 390 OHM, 1/8W**	**2**	
R601	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**1**	
R602	**ERJ6ENF3301**	**M 3.3KOHM, 1/10W**	**1**	
R603	**ERJ6GEYJ333**	**M 33KOHM,J,1/10W**	**1**	
R606	**ERJ6ENF1201**	**M 1.2KOHM, 1/10W**	**1**	
R607	**ERJ6ENF2202**	**M 2.2KOHM, 1/10W**	**1**	
R608	**ERJ8GEYJ332**	**M 3.3KOHM, J,1/8W**	**1**	
R609	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R610,11	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**2**	
R612	**ERJ6GEYJ222**	**M 2.2KOHM,J,1/10W**	**1**	
R613	**ERJ6ENF2702**	**M 27KOHM, 1/10W**	**1**	
R614	**ERJ6ENF3301**	**M 3.3KOHM, 1/10W**	**1**	
R615	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R616,17	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**2**	
R618	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R619	**ERJ8RQJR39**	**M0.39 OHM, 1/8W**	**1**	
R620	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R621	**ERJ8GEYJ123**	**M 12KOHM, J,1/8W**	**1**	
R622	**ERJ8ENF1503**	**M 15KOHM, 1/8W**	**1**	
R624	**ERX2SJR22**	**M0.22 OHM, J, 2W**	**1**	

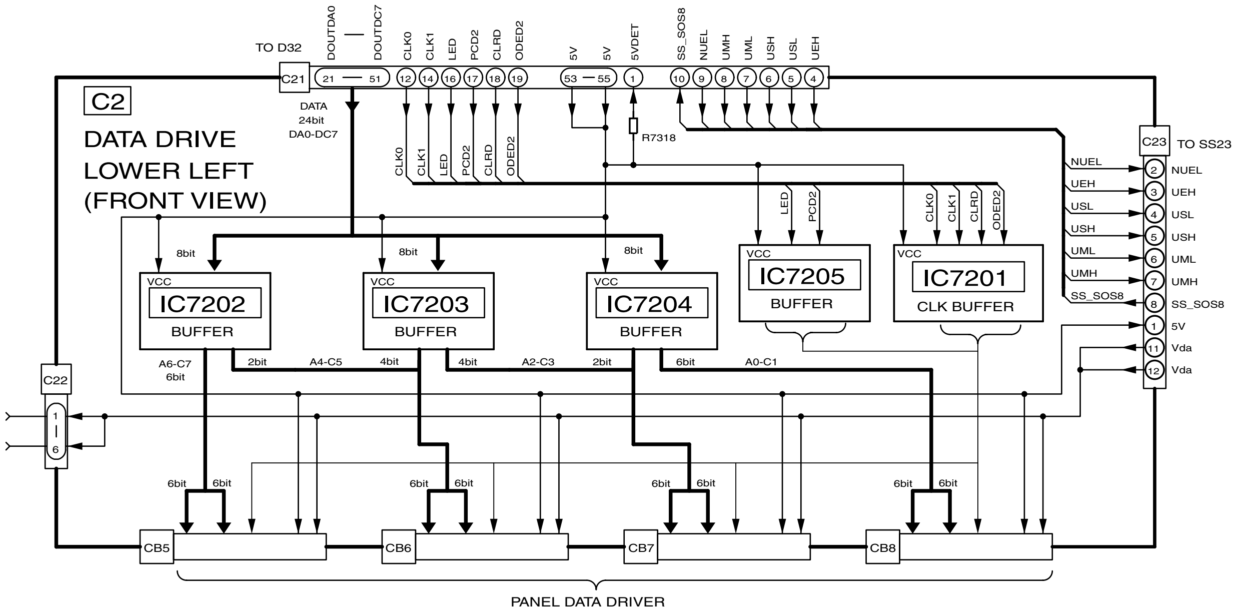
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ752	M 7.5KOHM,J,1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R630	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R631	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R633	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R634	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R638	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R639,40	ERJ8RQJR39	M0.39 OHM, 1/8W	2	
R641	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R642-44	ERJ8RQJR39	M0.39 OHM, 1/8W	3	
R645	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R646,47	ERJ8GEYJ223	M 22KOHM, J,1/8W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R651,52	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R653	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R654	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R655	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R656	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R657	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R658	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R659	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
R662	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R664	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R665	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
R666	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R667,68	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R669	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R670	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R671	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R672,73	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R674	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R675	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R676	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R677	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R678	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R679,80	ERJ8RSJR16V	M 16 OHM, 1/8W	2	
R682	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R683	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R685,86	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R687	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R688,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R690	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R691	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R692	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	

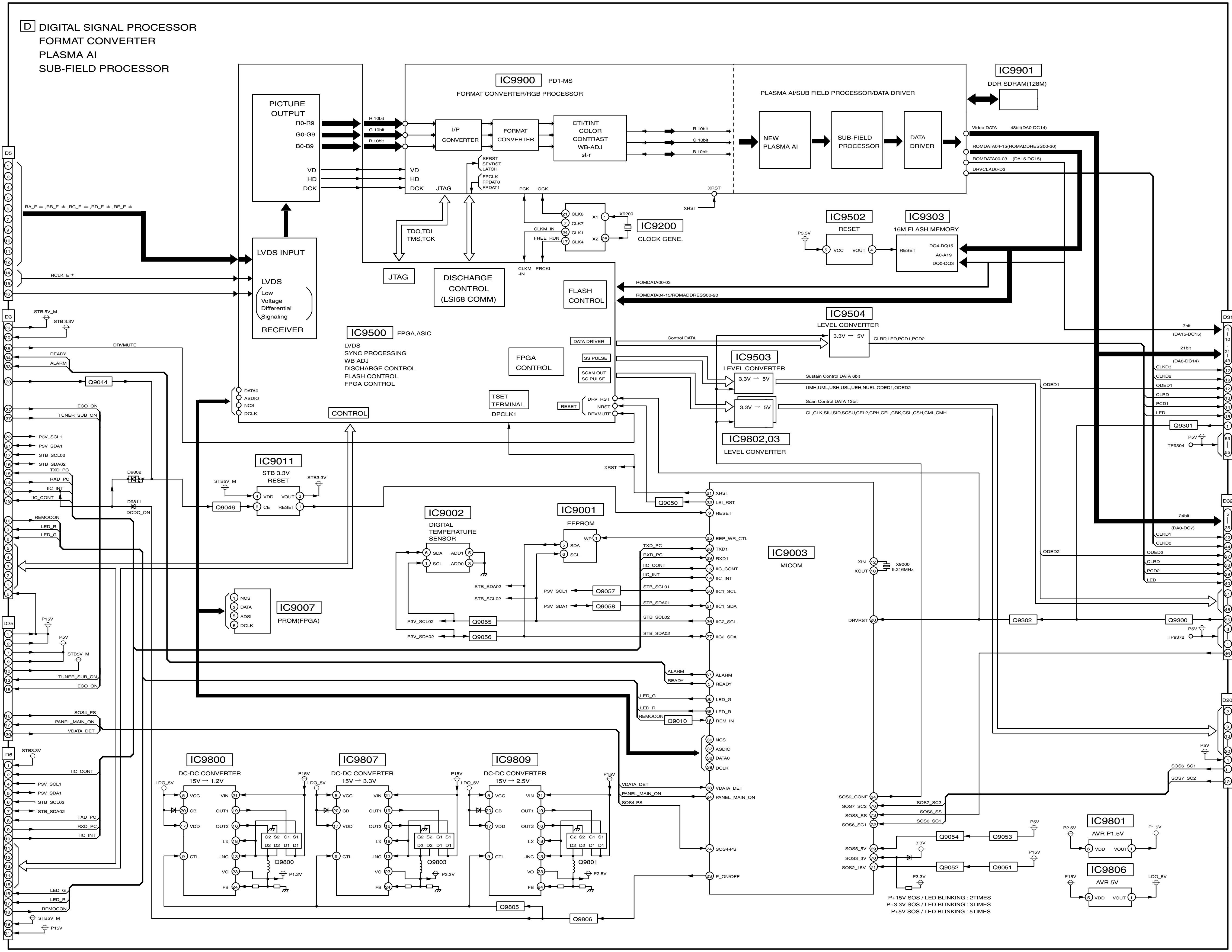
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R693	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R695	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R696	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	
R697	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R698	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R699-08	ERJ8GEYJ105	M 1MOHM, J,1/8W	10	
R711	ERJ8RSJR16V	M 16 OHM, 1/8W	1	
R712	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R713	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R714	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R715	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R921	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R931	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R932	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R933	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R935	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R936	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R937	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R938	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R939,40	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R943	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R945	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R946	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R947	ERJ8GEYJ331	M 330 OHM, J,1/8W	1	
R950	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R951,52	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R953	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R955	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R956	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
RL402,03	TSEH8011	RELAY	2	⚠
S401,02	J0LT00000009	SWITCH	2	⚠
T401	G4D4A0000117	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	⚠
T404	ETS42LA12GAD	SWITCHING TRANS	1	⚠
T407	ETQ11K5AZ	CHOKE TRANS	1	⚠
T410	ETS25AF115AH	SWITCHING TRANS	1	⚠
T601	G4D2A0000264	SWITCHING TRANS	1	
W9,10	J0JKB0000037	FLAT CORE	2	
X501	H2B400400021	CRYSTAL	1	
Z1,Z2	K4ZZ01000206	TERMINAL	2	
Z420	TMM23417	CLAMPER	2	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZN401	ERZVGED621T2	VARISTOR	1	⚠

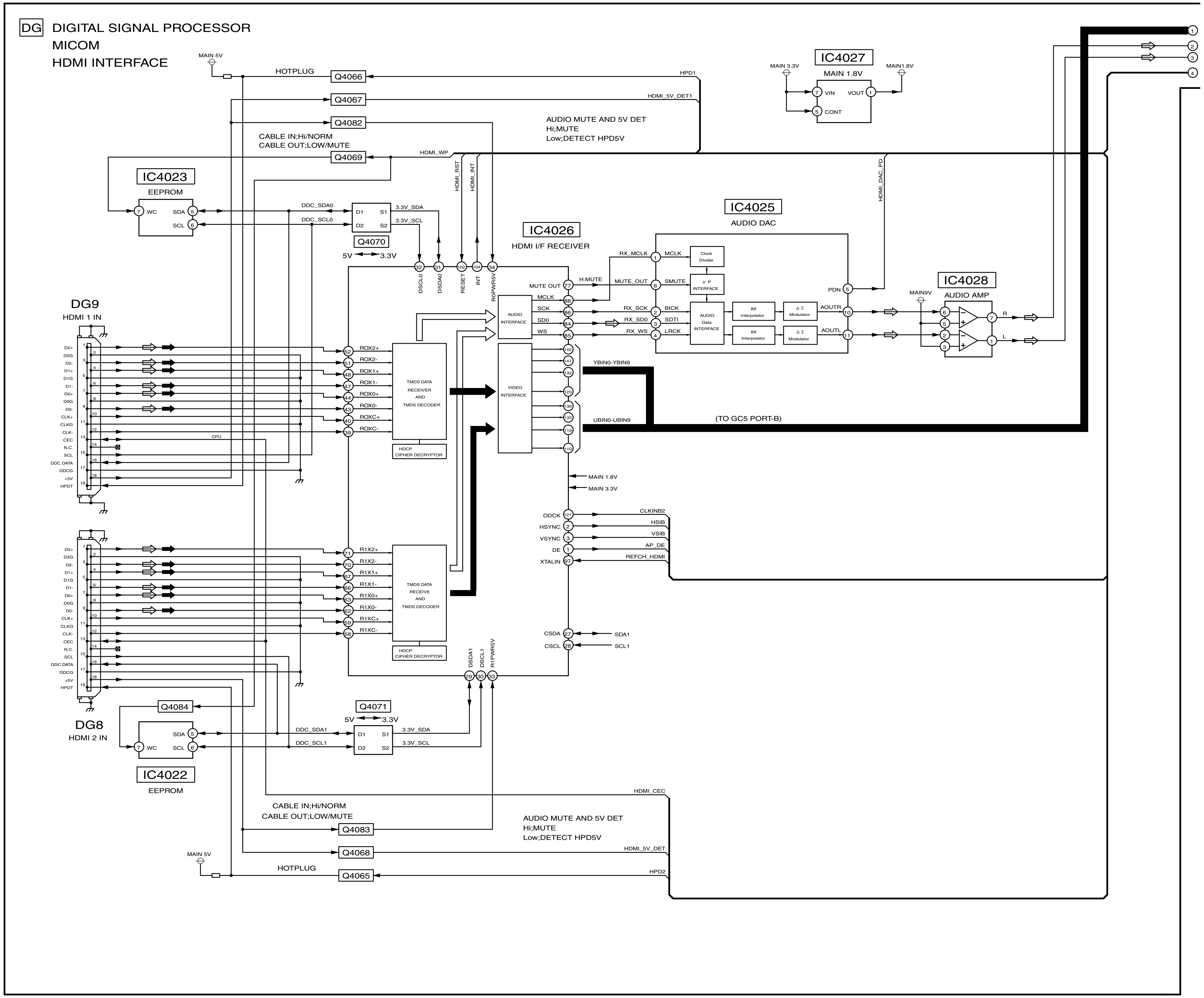
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZN402	D4EAD7510001	VARISTOR	1	⚠
ZN404	ERZVGAD681T2	VARISTOR	1	⚠
ZN405-06	ERZVA7D511	VARISTOR	2	⚠

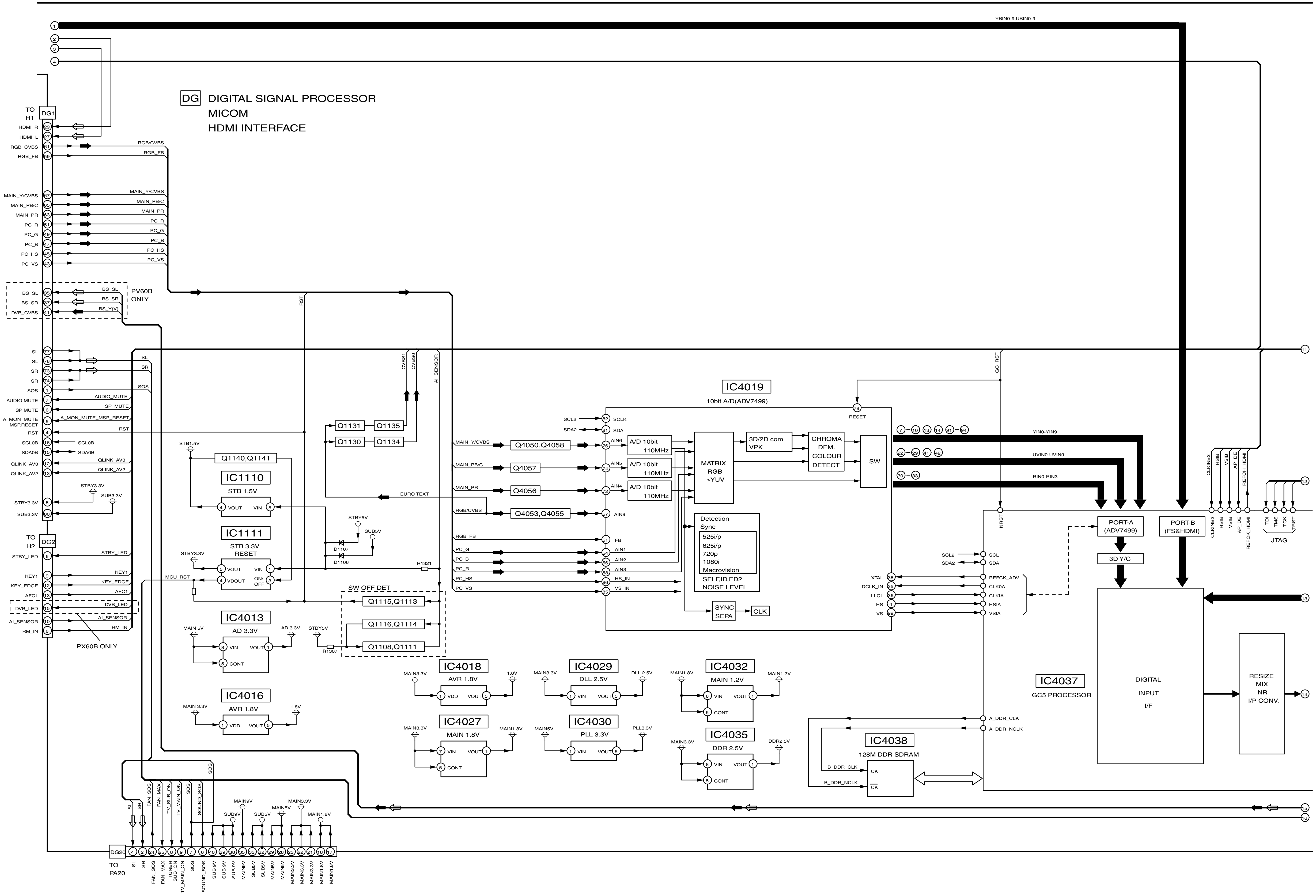
17. Schematic Diagram for printing with A4


C1
DATA DRIVE
LOWER RIGHT(FRONT VIEW)
TO D31
C11
DOUTDA8
DOUTDC15
13-35,46-52
DATA
24bit
DA8-DC15
LED
PCD1
CLK2
CLK3
CLRD
ODED1
5V
5V
5VDET
41
42
37
39
43
44
1
3
55
R7115
8bit
8bit
8bit
VCC
IC7104
BUFFER
VCC
IC7103
BUFFER
VCC
IC7102
BUFFER
VCC
IC7105
BUFFER
VCC
IC7101
CLK BUFFER
A14-C15
6bit
2bit
A12-C13
4bit
4bit
A10-C11
2bit
6bit
A8-C9
C12
1
6
Vda
Vda
6bit
6bit
CB1
CB2
CB3
CB4
PANEL DATA DRIVER


C2
DATA DRIVE
LOWER LEFT
(FRONT VIEW)
TO D32
C21
DOUTDA0
DOUTDC7
21
51
DATA
24bit
DA0-DC7
CLK0
CLK1
LED
PCD2
CLRD
ODED2
12
14
16
17
18
19
5V
5V
53
55
5VDET
1
R7318
SS_SOS8
NUEL
UMH
UML
USH
USL
UEH
10
9
8
7
6
5
4
8bit
8bit
8bit
VCC
IC7202
BUFFER
VCC
IC7203
BUFFER
VCC
IC7204
BUFFER
VCC
IC7205
BUFFER
VCC
IC7201
CLK BUFFER
A6-C7
6bit
2bit
A4-C5
4bit
4bit
A2-C3
2bit
6bit
A0-C1
C22
1
6
C23
TO SS23
2 NUEL
3 UEH
4 USL
5 USH
6 UML
7 UMH
8 SS_SOS8
1 5V
11 Vda
12 Vda
6bit
6bit
CB5
CB6
CB7
CB8
PANEL DATA DRIVER

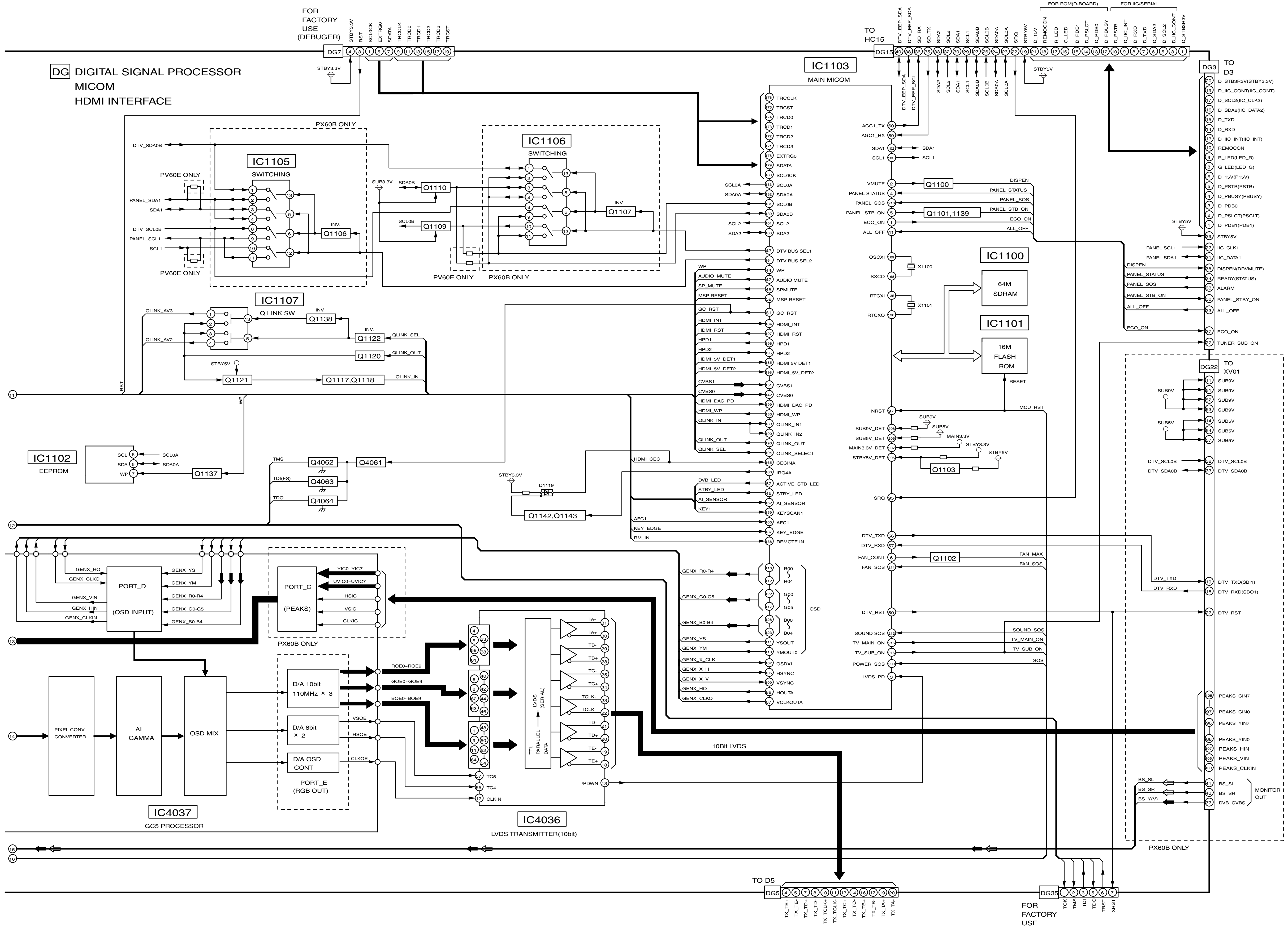

D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
IC9900 PD1-MS
FORMAT CONVERTER/RGB PROCESSOR
PLASMA AI/SUB FIELD PROCESSOR/DATA DRIVER
IC9901
DDR SDRAM(128M)
PICTURE OUTPUT
R0-R9
G0-G9
B0-B9
VD
HD
DCK
R 10bit
G 10bit
B 10bit
I/P CONVERTER
FORMAT CONVERTER
CTI/TINT
COLOR
CONTRAST
WB-ADJ
st-r
NEW PLASMA AI
SUB-FIELD PROCESSOR
DATA DRIVER
Video DATA 48bit(DA0-DC14)
ROMDATA04-15(ROMADDRESS00-20)
ROMDATA00-03 (DA15-DC15)
DRVCLKD0-D3
SFRST
SFVRST
LATCH
FPCLK
FPDAT0
FPDAT1
JTAG
PCK
OCK
XRST
TDO,TDI
TMS,TCK
IC9200
CLOCK GENE.
X9200
CLK8
CLK7
CLK1
CLK4
CLKM_IN
FREE_RUN
X1
X2
CLKM -IN
PRCKI
IC9502
RESET
P3.3V
VCC
VOUT
IC9303
16M FLASH MEMORY
DQ4-DQ15
A0-A19
DQ0-DQ3
TO DG5
D5
E+LVDS0 (RX_TA+)
E-LVDS0 (RX_TA-)
E+LVDS1 (RX_TB+)
E-LVDS1 (RX_TB-)
E+LVDS2 (RX_TC+)
E-LVDS2 (RX_TC-)
E+LVDS3 (RX_TD+)
E-LVDS3 (RX_TD-)
E+LVDS4 (RX_TE+)
E-LVDS4 (RX_TE-)
E+LVDSCLK (RX_TCLK+)
E-LVDSCLK (RX_TCLK-)
LVDS_DET
RA_E ± ,RB_E ± ,RC_E ± ,RD_E ± ,RE_E ±
RCLK_E ±
LVDS INPUT
LVDS
Low Voltage Differential Signaling
RECEIVER
JTAG
DISCHARGE CONTROL (LSI58 COMM)
FLASH CONTROL
ROMDATA00-03
ROMDATA04-15/ROMADDRESS00-20
IC9500 FPGA,ASIC
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
FPGA CONTROL
DATA DRIVER
SS PULSE
SCAN OUT SC PULSE
TSET TERMINAL
DPCLK1
RESET
DRV_RST
NRST
DRVMUTE
DATA0
ASDIO
NCS
DCLK
CONTROL
IC9504
LEVEL CONVERTER
3.3V → 5V
Control DATA
CLRD,LED,PCD1,PCD2
IC9503
LEVEL CONVERTER
Sustain Control DATA 6bit
UMH,UML,USH,USL,UEH,NUEL,ODED1,ODED2
Scan Control DATA 13bit
CL,CLK,SIU,SID,SCSU,CEL2,CPH,CEL,CBK,CSL,CSH,CML,CMH
IC9802,03
LEVEL CONVERTER
D31 TO C11
DOUTDA8
DOUTDC15
3bit (DA15-DC15)
21bit (DA8-DC14)
CLKD3
CLKD2
ODED1
CLRD
PCD1
LED
CLK3
CLK2
ODED1
CLRD
PCD1
LED
5VDET
Q9301
P5V
TP9304
D32 TO C21
DOUTDA0
DOUTDC7
24bit (DA0-DC7)
CLKD1
CLKD0
ODED2
CLRD
PCD2
LED
CLK1
CLK0
ODED2
CLRD
PCD2
LED
SUSTAIN DATA
5VDET
Q9302
Q9300
TP9372
P5V
SS_SOS8
D20 TO SC20
SCAN DATA
P5V
SOS6_SC1
SOS7_SC2
DRV_SOS7 (SC_SOS6)
DRV_SOS2 (SC_SOS7)
TO DG3
D3
STB 5V_M
STB 3.3V
STBY 5V
STBY 3.3V
DISPEN
READY
ALARM
DRVMUTE
PANEL_STBY_ON
Q9044
ECO_ON
TUNER_SUB_ON
IIC_CLK1
IIC_DATA1
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
IIC_CONT
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
IIC_INT
IIC_CONT
D9802
D9811
DCDC_ON
REMOCON
LED_R
LED_G
(D)PSTB
(D)PBUSY
(D)PDB0
(D)PSLCT
(D)PDB1
(D)P15V
IC9011
STB 3.3V RESET
STB5V_M
STB3.3V
VDD
VOUT
CE
RESET
Q9046
IC9002
DIGITAL TEMPERATURE SENSOR
SDA
SCL
ADD1
ADD0
STB_SDA02
STB_SCL02
P3V_SCL02
P3V_SDA02
Q9055
Q9056
IC9001
EEPROM
WP
SDA
SCL
P3V_SCL1
P3V_SDA1
Q9057
Q9058
IC9007
PROM(FPGA)
NCS
DATA
ADSI
DCLK
IC9003
MICOM
XRST
LSI_RST
RESET
Q9050
EEP_WR_CTL
TXD1
RXD1
IIC_CONT
IIC_INT
IIC1_SCL
IIC1_SDA
IIC2_SCL
IIC2_SDA
STB_SCL01
STB_SDA01
STB_SCL02
STB_SDA02
XIN
XOUT
X9000 9.216MHz
DRVRST
ALARM
READY
LED_G
LED_R
REM_IN
REMOCON
Q9010
NCS
ASDIO
DATA0
DCLK
VDATA_DET
PANEL_MAIN_ON
SOS4-PS
P_ON/OFF
SOS9_CONF
SOS7_SC2
SOS8_SS
SOS6_SC1
SOS5_5V
SOS3_3V
SOS2_15V
Q9054
Q9053
Q9052
Q9051
P5V
3.3V
P15V
P3.3V
P+15V SOS / LED BLINKING : 2TIMES
P+3.3V SOS / LED BLINKING : 3TIMES
P+5V SOS / LED BLINKING : 5TIMES
IC9801
AVR P1.5V
P2.5V
P1.5V
IC9806
AVR 5V
P15V
LDO_5V
TO P25
D25
P15V
+15V
+15V
+5V
+5V
STBY5V
F_STBY_ON
ECO_ON
P5V
STB5V_M
TUNER_SUB_ON
ECO_ON
SOS4_PS
PANEL_MAIN_ON
VDATA_DET
FOR FACTORY USE
D6
STB3.3V
STBY3.3V
IIC_CONT
SCL1
SDA1
SCL2
SDA2
TXD
RXD
IIC_INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
LED_G
LED_R
REMOCON
STBY5V
P15V
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
IIC_INT
STB5V_M
P15V
IC9800
DC-DC CONVERTER
15V → 1.2V
IC9807
DC-DC CONVERTER
15V → 3.3V
IC9809
DC-DC CONVERTER
15V → 2.5V
LDO_5V
VCC
CB
VDD
CTL
VIN
OUT1
OUT2
LX
-INC
VO
FB
G2 S2 G1 S1
D2 D2 D1 D1
Q9800
Q9803
Q9801
P1.2V
P3.3V
P2.5V
Q9805
Q9806


DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
MAIN 5V
HOTPLUG
Q4066
HPD1
Q4067
HDMI_5V_DET1
Q4082
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
Q4069
HDMI_WP
IC4023
EEPROM
WC
SDA
SCL
DDC_SDA0
DDC_SCL0
D1
D2
S1
S2
3.3V_SDA
3.3V_SCL
Q4070
5V
3.3V
HDMI_RST
HDMI_INT
IC4026
HDMI I/F RECEIVER
DSCL0
DSDA0
RESET
INT
R0PWR5V
IC4027
MAIN 1.8V
MAIN 3.3V
MAIN1.8V
VIN
VOUT
CONT
IC4025
AUDIO DAC
HDMI_DAC_PD
RX_MCLK
MCLK
Clock Divider
H:MUTE
MUTE_OUT
SMUTE
μ P INTERFACE
PDN
MUTE OUT
SCK
SD0
WS
RX_SCK
RX_SD0
RX_WS
BICK
SDTI
LRCK
AUDIO Data INTERFACE
8X Interpolator
Δ Σ Modulator
AOUTR
AOUTL
IC4028
AUDIO AMP
MAIN9V
R
L
AUDIO INTERFACE
VIDEO INTERFACE
YBIN0-YBIN9
UBIN0-UBIN9
(TO GC5 PORT-B)
DG9
HDMI 1 IN
D2+
D2G
D2-
D1+
D1G
D1-
D0+
D0G
D0-
CLK+
CLKG
CLK-
CEC
N.C.
SCL
DDC DATA
DDCG
+5V
HPDT
CPU
R0X2+
R0X2-
R0X1+
R0X1-
R0X0+
R0X0-
R0XC+
R0XC-
TMDS DATA RECEIVER AND TMDS DECODER
HDCP CIPHER DECRYPTOR
MAIN 1.8V
MAIN 3.3V
ODCK
HSYNC
VSYNC
DE
XTALIN
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
R1X2+
R1X2-
R1X1+
R1X1-
R1X0+
R1X0-
R1XC+
R1XC-
TMDS DATA RECEIVE AND TMDS DECODER
HDCP CIPHER DECRYPTOR
CSDA
CSCL
SDA1
SCL1
DSDA1
DSCL1
R1PWR5V
DG8
HDMI 2 IN
Q4084
Q4071
DDC_SDA1
DDC_SCL1
IC4022
EEPROM
HDMI_CEC
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
Q4083
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V
Q4068
HDMI_5V_DET
MAIN 5V
HOTPLUG
Q4065
HPD2


DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
TO H1
DG1
HDMI_R
HDMI_L
RGB_CVBS
RGB_FB
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
PC_R
PC_G
PC_B
PC_HS
PC_VS
BS_SL
BS_SR
DVB_CVBS
BS_Y(V)
PV60B ONLY
SL
SR
SOS
AUDIO MUTE
SP MUTE
A_MON_MUTE _MSP.RESET
A_MON_MUTE_MSP_RESET
RST
SCL0B
SDA0B
QLINK_AV3
QLINK_AV2
STBY3.3V
SUB3.3V
TO H2
DG2
STBY_LED
KEY1
KEY_EDGE
AFC1
DVB_LED
AI_SENSOR
RM_IN
PX60B ONLY
MCU_RST
YBIN0-9,UBIN0-9
CVBS1
CVBS0
AI_SENSOR
Q1131
Q1135
Q1130
Q1134
EURO TEXT
STB1.5V
Q1140,Q1141
IC1110
STB 1.5V
VOUT
VIN
IC1111
STB 3.3V RESET
VDOUT
ON/OFF
STBY5V
SUB5V
D1107
D1106
R1321
SW OFF DET
Q1115,Q1113
Q1116,Q1114
Q1108,Q1111
R1307
IC4013
AD 3.3V
MAIN 5V
AD 3.3V
CONT
IC4016
AVR 1.8V
MAIN 3.3V
1.8V
VDD
IC4018
AVR 1.8V
MAIN3.3V
IC4027
MAIN 1.8V
MAIN1.8V
IC4029
DLL 2.5V
DLL 2.5V
IC4030
PLL 3.3V
MAIN5V
PLL3.3V
IC4032
MAIN 1.2V
MAIN1.8V
MAIN1.2V
IC4035
DDR 2.5V
DDR2.5V
IC4019
10bit A/D(ADV7499)
SCL2
SDA2
SCLK
SDA
RESET
Q4050,Q4058
Q4057
Q4056
Q4053,Q4055
AIN6
AIN5
AIN4
AIN9
A/D 10bit 110MHz
MATRIX RGB ->YUV
3D/2D com VPK
CHROMA DEM. COLOUR DETECT
SW
FB
AIN1
AIN2
AIN3
HS_IN
VS_IN
Detection
Sync
525i/p
625i/p
720p
1080i
Macrovision
SELF,ID,ED2
NOISE LEVEL
SYNC SEPA
CLK
XTAL
DCLK_IN
LLC1
HS
VS
YIN0-YIN9
UVIN0-UVIN9
RIN0-RIN3
GC_RST
NRST
PORT-A (ADV7499)
PORT-B (FS&HDMI)
3D Y/C
CLKINB2
HSIB
VSIB
AP_DE
REFCK_HDMI
TDI
TMS
TCK
TRST
JTAG
SCL
SDA
REFCK_ADV
CLK0A
CLKIA
HSIA
VSIA
IC4037
GC5 PROCESSOR
DIGITAL INPUT I/F
RESIZE MIX NR I/P CONV.
A_DDR_CLK
A_DDR_NCLK
IC4038
128M DDR SDRAM
B_DDR_CLK
B_DDR_NCLK
CK
DG20
TO PA20
SL
SR
FAN_SOS
FAN_MAX
TV_SUB_ON
TV_MAIN_ON
TUNER SUB_ON
SOS
SOUND_SOS
SUB 9V
SUB9V
MAIN9V
SUB5V
MAIN5V
MAIN3.3V
MAIN1.8V

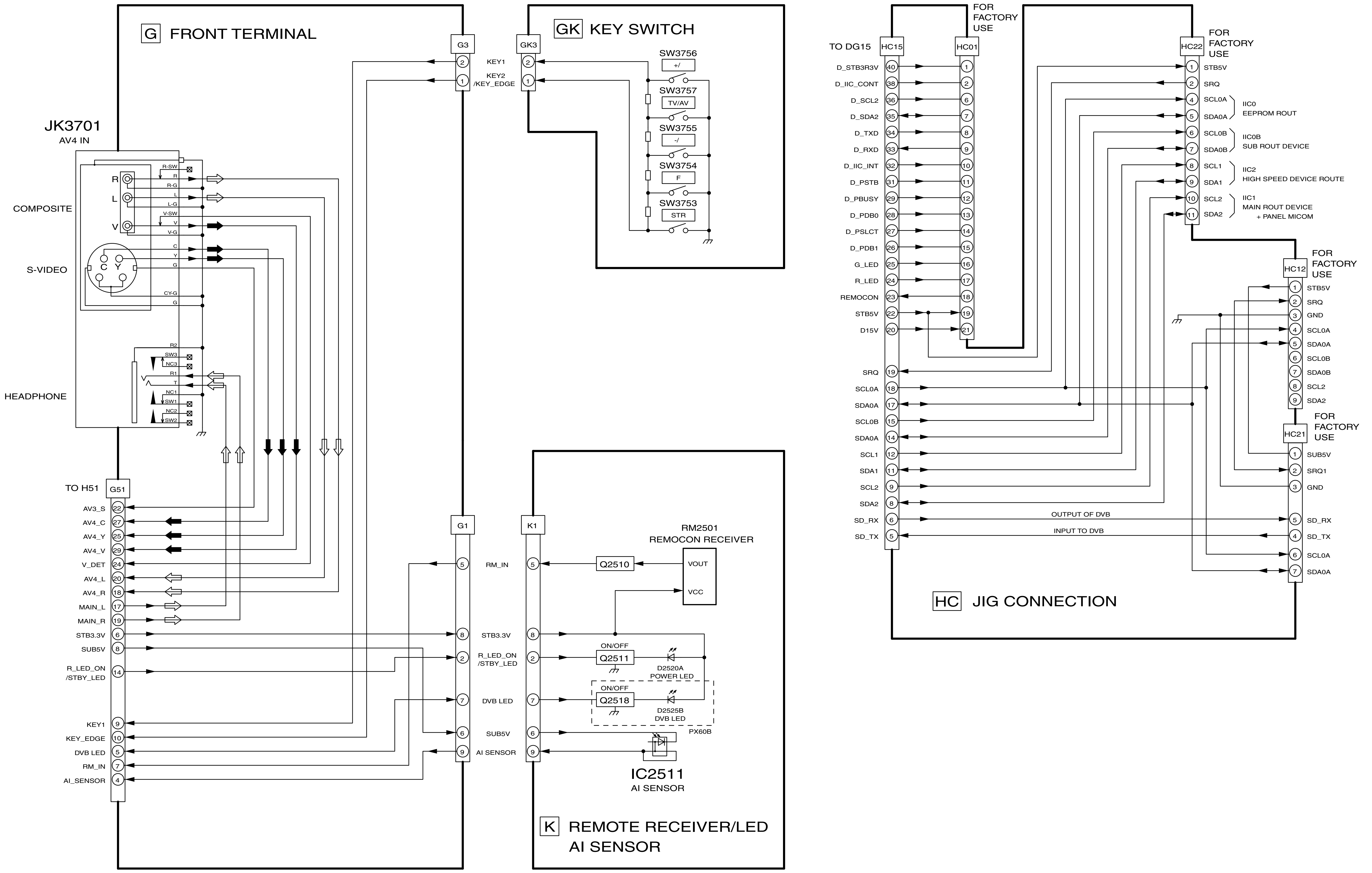
TH-37/42PV60E, TH-37/42PX60B
DG-Board Block (2 of 3) Diagram

TH-37/42PV60E, TH-37/42PX60B
DG-Board (2 of 3) Block Diagram

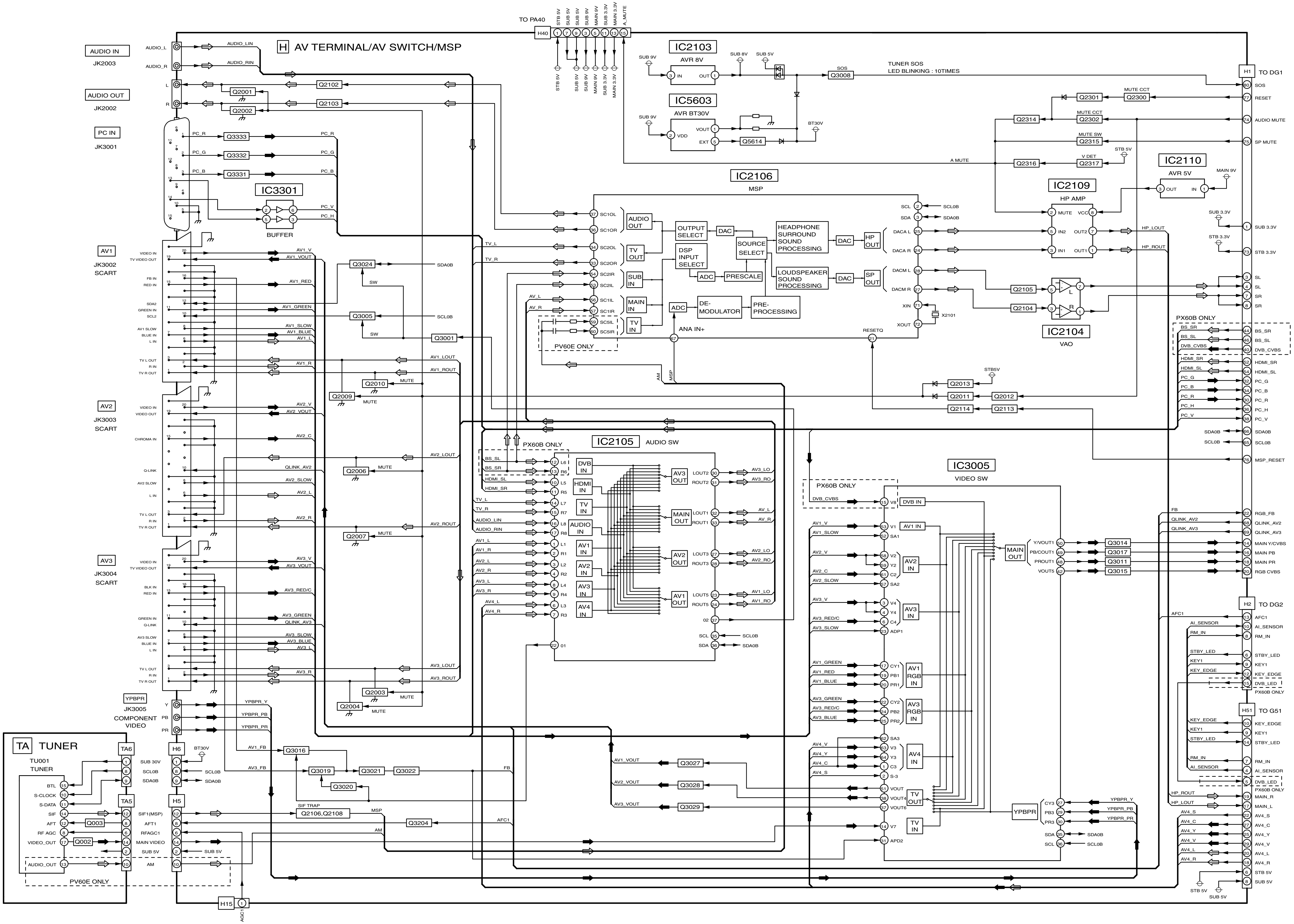

DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
FOR FACTORY USE (DEBUGER)
DG7
STBY3.3V
TO HC15
DG15
TO D3
DG3
FOR ROM(D-BOARD)
FOR IIC/SERIAL
IC1103
MAIN MICOM
IC1105
SWITCHING
IC1106
SWITCHING
IC1107
Q LINK SW
IC1102
EEPROM
IC1100
64M SDRAM
IC1101
16M FLASH ROM
PX60B ONLY
PV60E ONLY
INV.
Q1106
Q1107
Q1109
Q1110
Q1138
Q1122
Q1120
Q1121
Q1117,Q1118
Q1137
Q4061
Q4062
Q4063
Q4064
Q1142,Q1143
Q1100
Q1101,1139
Q1102
Q1103
X1100
X1101
D1119
RESET
MCU_RST
TO XV01
DG22
MONITOR OUT
OSD
PORT_D
(OSD INPUT)
PORT_C
(PEAKS)
PIXEL CONV. CONVERTER
AI GAMMA
OSD MIX
D/A 10bit 110MHz × 3
D/A 8bit × 2
D/A OSD CONT
PORT_E (RGB OUT)
IC4037
GC5 PROCESSOR
IC4036
LVDS TRANSMITTER(10bit)
TTL PARALLEL DATA
LVDS (SERIAL)
10Bit LVDS
TO D5
DG5
FOR FACTORY USE
DG35
TCK
TMS
TDI
TDO
TRST
XRST

TH-37/42PV60E, TH-37/42PX60B
DG-Board Block (3 of 3) Diagram

TH-37/42PV60E, TH-37/42PX60B
DG-Board (3 of 3) Block Diagram

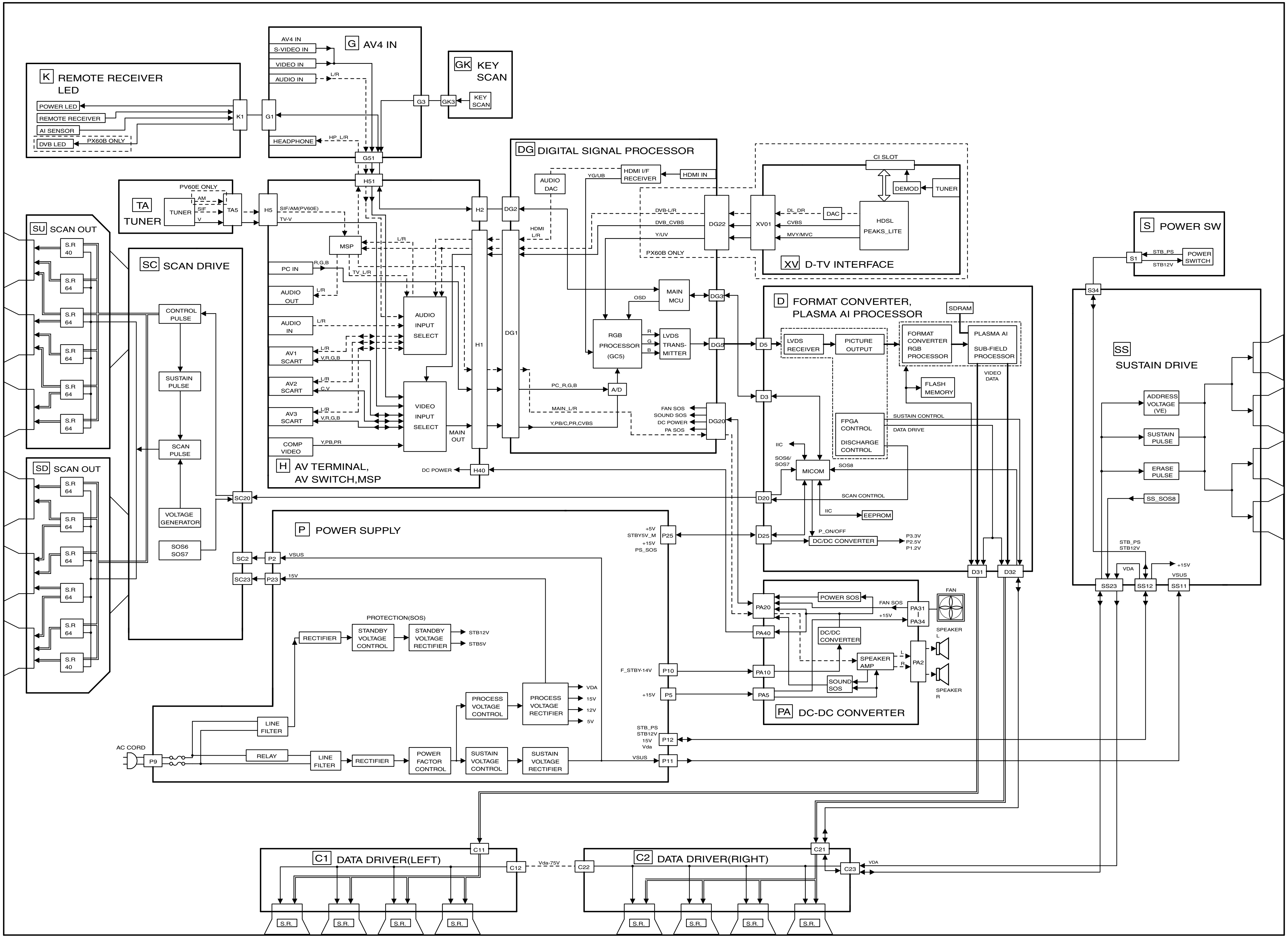

G FRONT TERMINAL
GK KEY SWITCH
HC JIG CONNECTION
K REMOTE RECEIVER/LED AI SENSOR
JK3701
AV4 IN
COMPOSITE
S-VIDEO
HEADPHONE
R
L
V
C
Y
R-SW
R-G
L-G
V-SW
V-G
G
CY-G
R2
SW3
NC3
R1
T
NC1
SW1
NC2
SW2
G3
KEY1
KEY2 /KEY_EDGE
GK3
SW3756
+/
SW3757
TV/AV
SW3755
-/
SW3754
F
SW3753
STR
TO H51
G51
AV3_S
AV4_C
AV4_Y
AV4_V
V_DET
AV4_L
AV4_R
MAIN_L
MAIN_R
STB3.3V
SUB5V
R_LED_ON /STBY_LED
KEY1
KEY_EDGE
DVB LED
RM_IN
AI_SENSOR
G1
RM_IN
STB3.3V
R_LED_ON /STBY_LED
DVB LED
SUB5V
AI SENSOR
K1
RM2501
REMOCON RECEIVER
VOUT
VCC
Q2510
ON/OFF
Q2511
D2520A
POWER LED
ON/OFF
Q2518
D2525B
DVB LED
PX60B
IC2511
AI SENSOR
TO DG15
HC15
HC01
FOR FACTORY USE
HC22
FOR FACTORY USE
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
STB5V
D15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0A
SCL1
SDA1
SCL2
SDA2
SD_RX
SD_TX
STB5V
SRQ
SCL0A
SDA0A
IIC0
EEPROM ROUT
SCL0B
SDA0B
IIC0B
SUB ROUT DEVICE
SCL1
SDA1
IIC2
HIGH SPEED DEVICE ROUTE
SCL2
SDA2
IIC1
MAIN ROUT DEVICE + PANEL MICOM
HC12
FOR FACTORY USE
STB5V
SRQ
GND
SCL0A
SDA0A
SCL0B
SDA0B
SCL2
SDA2
HC21
FOR FACTORY USE
SUB5V
SRQ1
GND
SD_RX
SD_TX
SCL0A
SDA0A
OUTPUT OF DVB
INPUT TO DVB

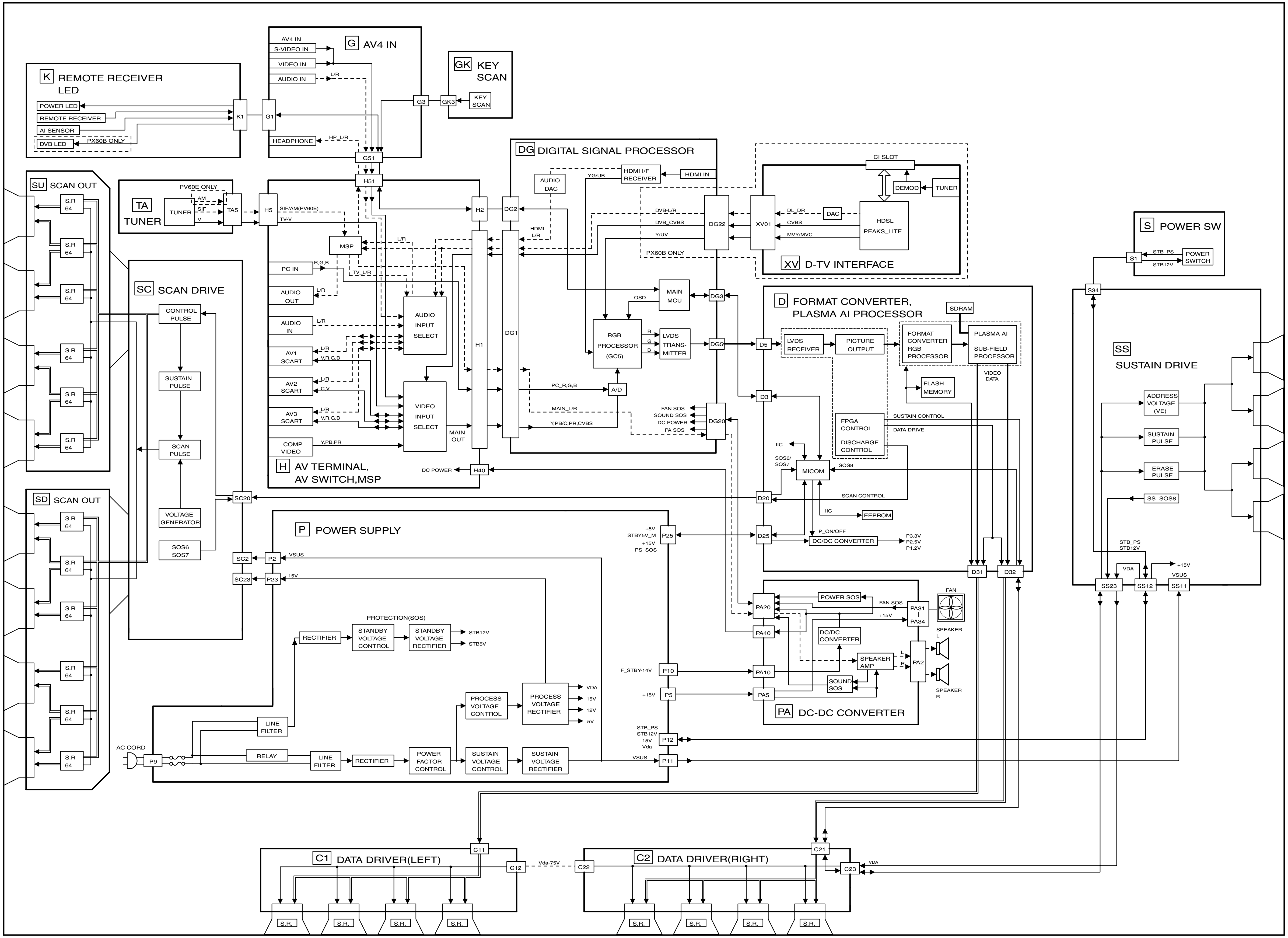
TH-37/42PV60E, TH-37/42PX60B
G, GK, HC and K-Board Block Diagram

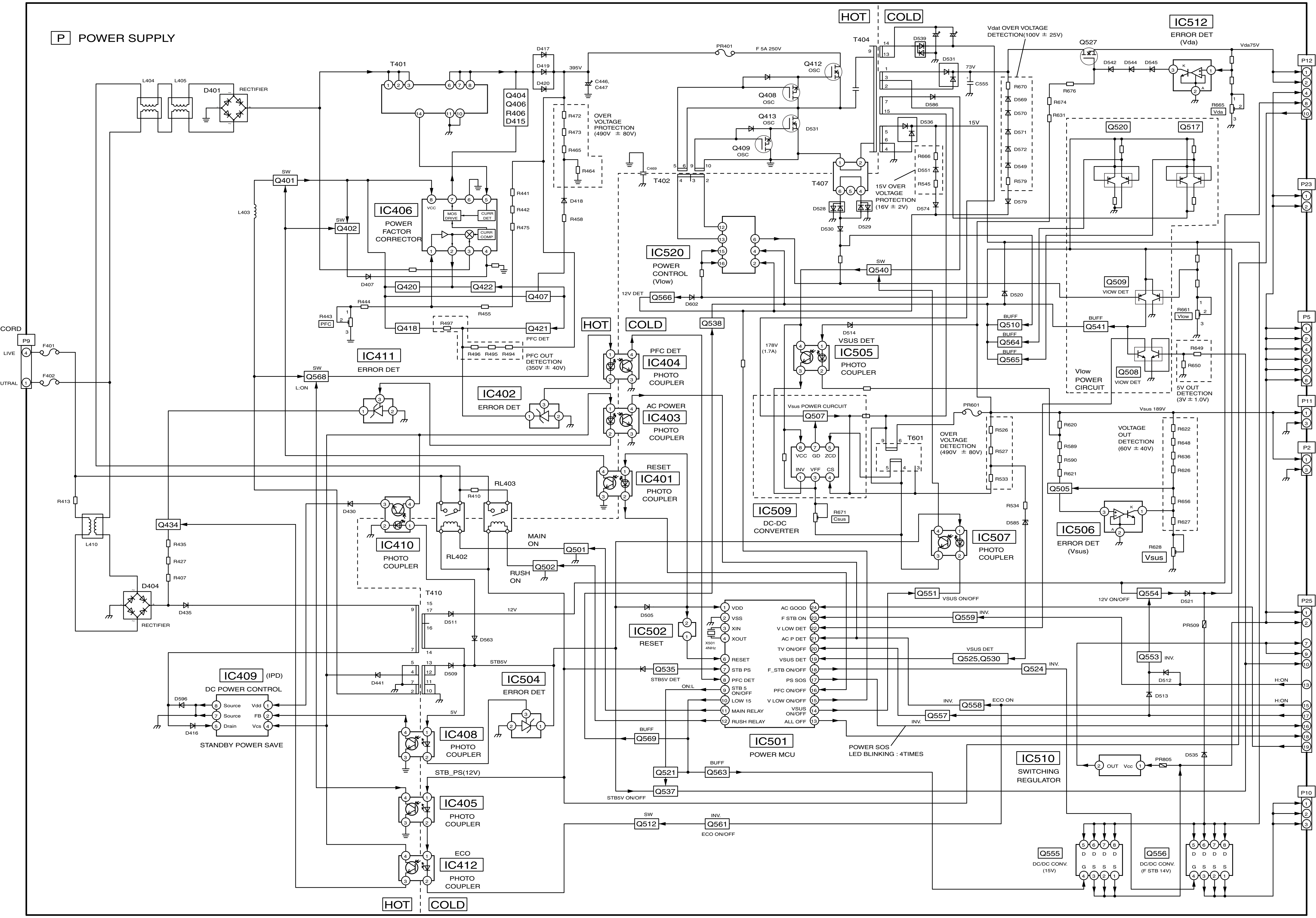

H AV TERMINAL/AV SWITCH/MSP
TO PA40
H40
STB 5V
SUB 5V
SUB 5V
SUB 9V
SUB 9V
MAIN 9V
SUB 3.3V
MAIN 3.3V
A_MUTE
AUDIO IN
JK2003
AUDIO_L
AUDIO_R
AUDIO_LIN
AUDIO_RIN
AUDIO OUT
JK2002
PC IN
JK3001
PC_R
PC_G
PC_B
PC_V
PC_H
Q2101
Q2102
Q2103
Q2001
Q2002
Q3333
Q3332
Q3331
IC3301
BUFFER
AV1
JK3002
SCART
AV2
JK3003
SCART
AV3
JK3004
SCART
YPBPR
JK3005
COMPONENT VIDEO
VIDEO IN
TV VIDEO OUT
FB IN
RED IN
GREEN IN
BLUE IN
L IN
TV L OUT
R IN
TV R OUT
CHROMA IN
Q-LINK
AV2 SLOW
AV1_V
AV1_VOUT
AV1_RED
AV1_GREEN
AV1_SLOW
AV1_BLUE
AV1_L
AV1_R
AV1_LOUT
AV1_ROUT
AV2_V
AV2_VOUT
AV2_C
AV2_LOUT
QLINK_AV2
AV2_SLOW
AV2_L
AV2_R
AV2_ROUT
AV3_V
AV3_VOUT
AV3_RED/C
AV3_GREEN
QLINK_AV3
AV3_SLOW
AV3_BLUE
AV3_L
AV3_R
AV3_LOUT
AV3_ROUT
Q3024
Q3005
Q3001
Q2010
Q2009
Q2006
Q2007
Q2003
Q2004
SDA0B
SCL0B
SW
MUTE
YPBPR_Y
YPBPR_PB
YPBPR_PR
TA TUNER
TU001
TUNER
TA6
TA5
BTL
S-CLOCK
S-DATA
SIF
AFT
RF AGC
VIDEO_OUT
AUDIO_OUT
Q003
Q002
SUB 30V
SCL0B
SDA0B
SIF1(MSP)
AFT1
RFAGC1
MAIN VIDEO
SUB 5V
AM
PV60E ONLY
H6
H5
H15
AGC1
BT30V
AV1_FB
AV3_FB
Q3016
Q3019
Q3020
Q3021
Q3022
FB
SIF TRAP
Q2106,Q2108
MSP
Q3204
AFC1
IC2103
AVR 8V
SUB 9V
SUB 8V
IN
OUT
SOS
Q3008
TUNER SOS
LED BLINKING : 10TIMES
IC5603
AVR BT30V
VDD
VOUT
EXT
Q5614
IC2106
MSP
SC1OL
SC1OR
SC2OL
SC2OR
SC2IR
SC2IL
SC1IL
SC1IR
SC5IL
SC5IR
AUDIO OUT
TV OUT
SUB IN
MAIN IN
TV IN
OUTPUT SELECT
DAC
DSP INPUT SELECT
ADC
PRESCALE
SOURCE SELECT
HEADPHONE SURROUND SOUND PROCESSING
LOUDSPEAKER SOUND PROCESSING
HP OUT
SP OUT
DE-MODULATOR
PRE-PROCESSING
ANA IN+
RESETQ
XIN
XOUT
X2101
SCL
SDA
DACA L
DACA R
DACM L
DACM R
IC2109
HP AMP
MUTE
VCC
IN1
IN2
OUT1
OUT2
HP_LOUT
HP_ROUT
IC2110
AVR 5V
MAIN 9V
IC2104
VAO
Q2105
Q2104
Q2301
Q2300
Q2314
Q2302
Q2315
Q2316
Q2317
MUTE CCT
MUTE SW
V DET
A MUTE
STB 5V
Q2013
Q2011
Q2012
Q2114
Q2113
H1
TO DG1
SOS
RESET
AUDIO MUTE
SP MUTE
SUB 3.3V
STB 3.3V
SL
SR
PX60B ONLY
BS_SR
BS_SL
DVB_CVBS
HDMI_SR
HDMI_SL
PC_G
PC_B
PC_R
PC_H
PC_V
SDA0B
SCL0B
MSP_RESET
IC2105
AUDIO SW
DVB IN
HDMI IN
TV IN
AUDIO IN
AV1 IN
AV2 IN
AV3 IN
AV4 IN
AV3 OUT
MAIN OUT
AV2 OUT
AV1 OUT
LOUT1
ROUT1
LOUT2
ROUT2
LOUT3
ROUT3
LOUT5
ROUT5
AV3_LO
AV3_RO
AV_L
AV_R
AV2_LO
AV2_RO
AV1_LO
AV1_RO
TV_L
TV_R
AV4_L
AV4_R
IC3005
VIDEO SW
DVB IN
AV1 IN
AV2 IN
AV3 IN
AV1 RGB IN
AV3 RGB IN
AV4 IN
TV OUT
TV IN
MAIN OUT
YPBPR
Y/VOUT1
PB/COUT1
PROUT1
VOUT5
VOUT
VOUT4
VOUT6
Q3014
Q3017
Q3011
Q3015
Q3027
Q3028
Q3029
AV1_VOUT
AV2_VOUT
AV3_VOUT
RGB_FB
QLINK_AV2
QLINK_AV3
MAIN Y/CVBS
MAIN PB
MAIN PR
RGB CVBS
H2
TO DG2
AFC1
AI_SENSOR
RM_IN
STBY_LED
KEY1
KEY_EDGE
DVB_LED
PX60B ONLY
H51
TO G51
HP_ROUT
HP_LOUT
MAIN_R
MAIN_L
AV4_S
AV4_C
AV4_Y
AV4_V
AV4_L
AV4_R
STB 5V
SUB 5V

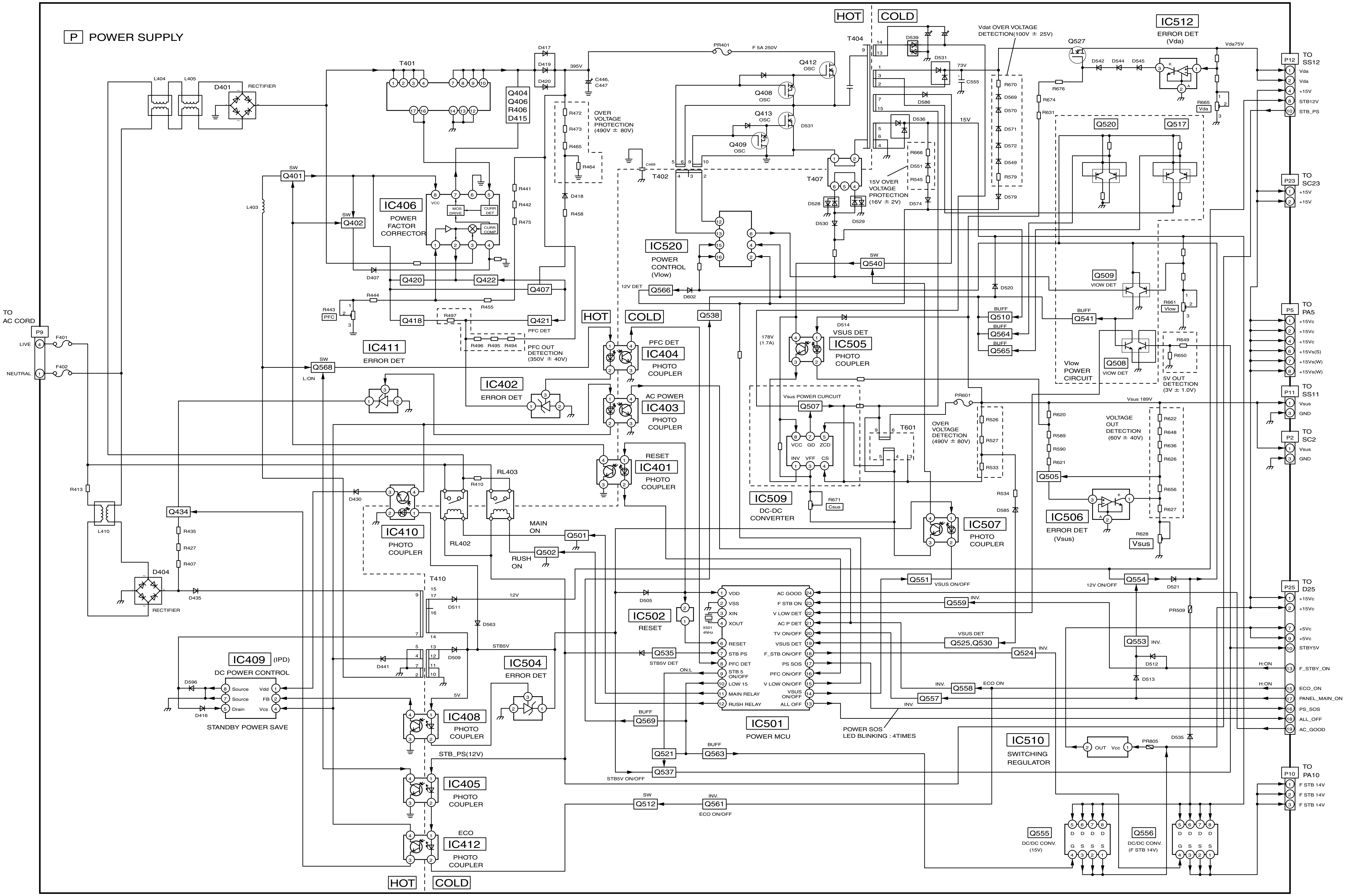
TH-37/42PV60E, TH-37/42PX60B
H and TA-Board Block Diagram

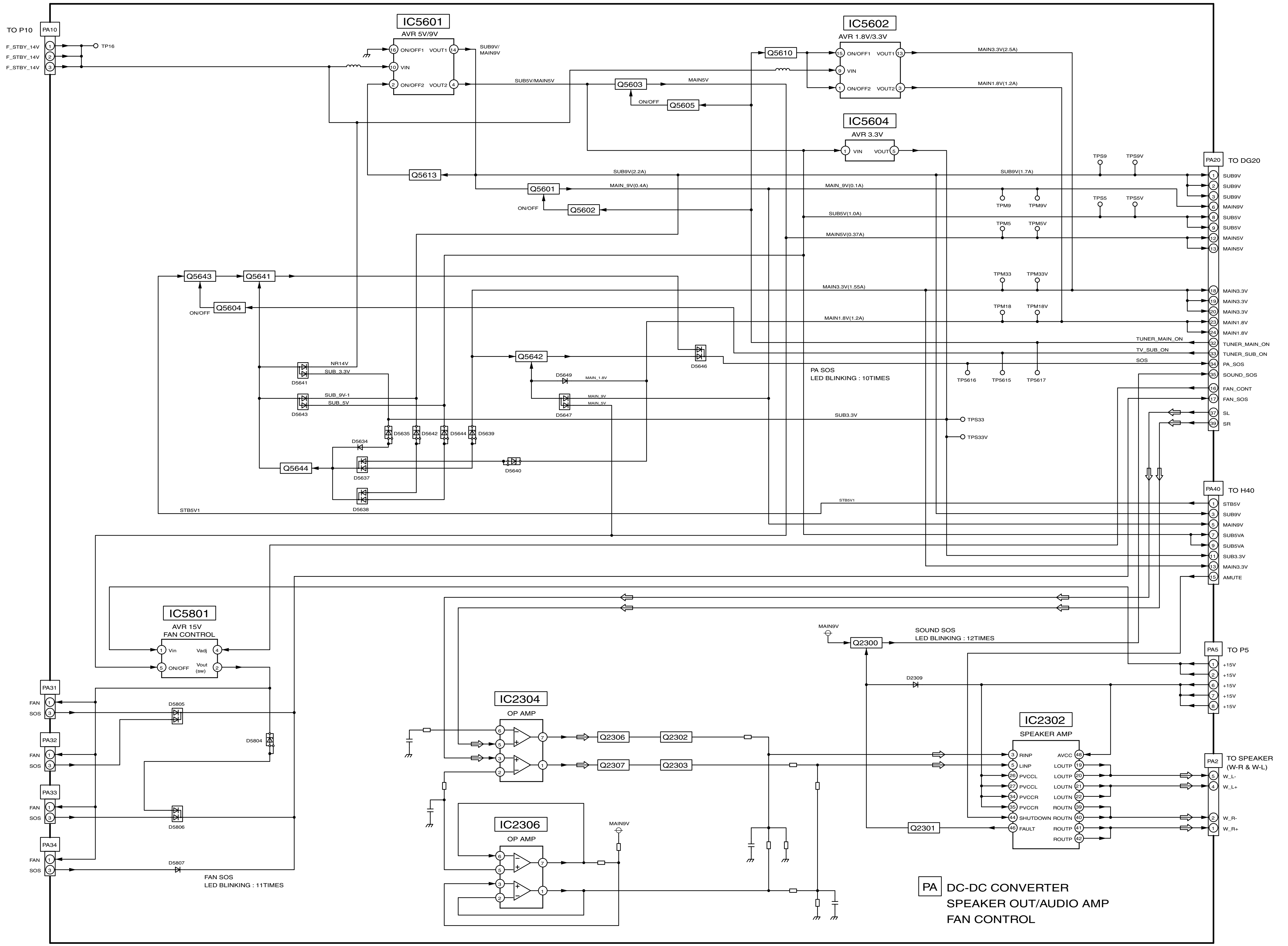
TH-37/42PV60E, TH-37/42PX60B
H and TA-Board Block Diagram

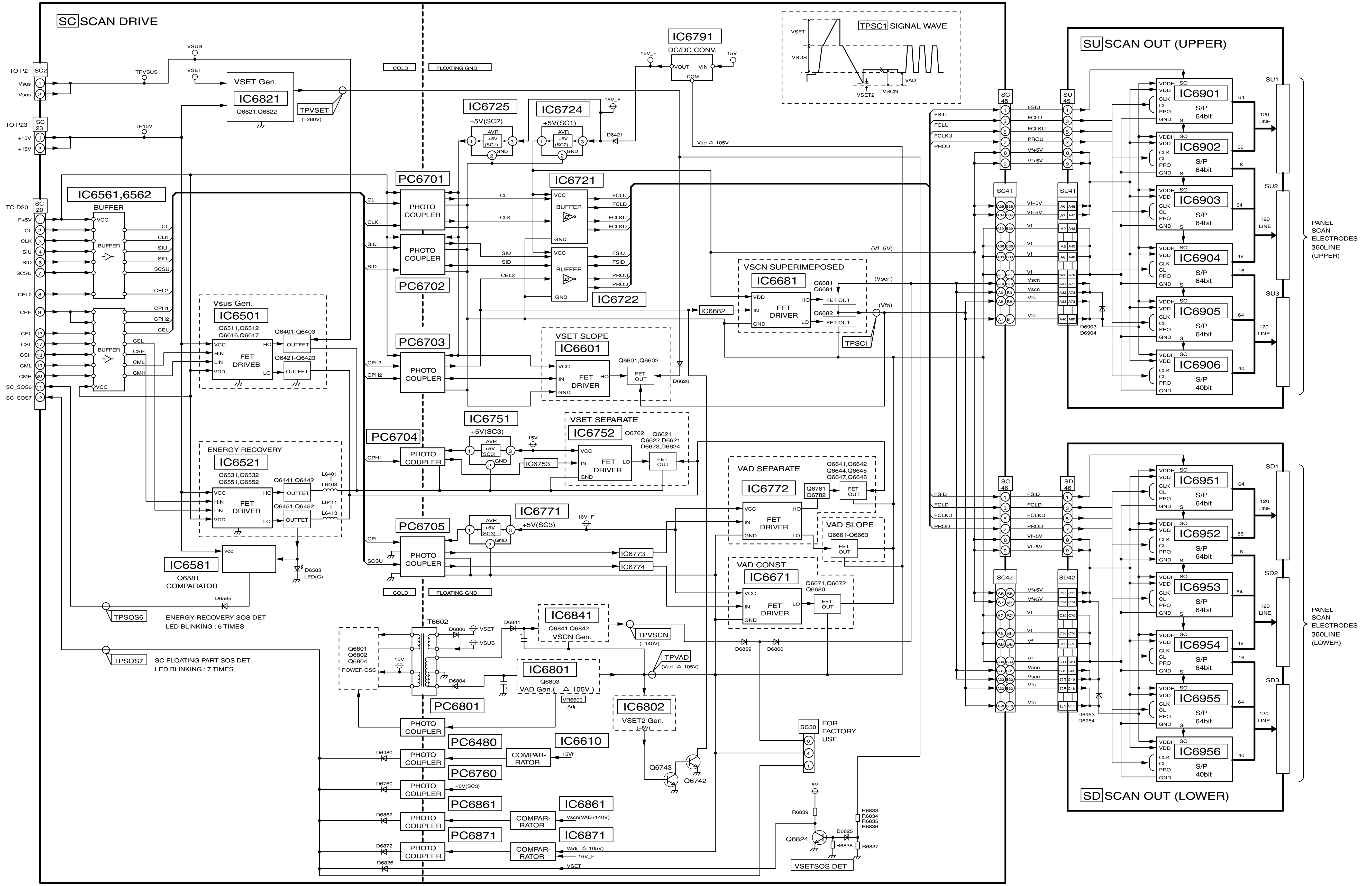

K REMOTE RECEIVER LED
POWER LED
REMOTE RECEIVER
AI SENSOR
DVB LED
PX60B ONLY
K1
G1
G AV4 IN
AV4 IN
S-VIDEO IN
VIDEO IN
AUDIO IN
L/R
HEADPHONE
HP_L/R
G3
G51
GK KEY SCAN
GK3
KEY SCAN
TA TUNER
PV60E ONLY
TUNER
AM
SIF
V
TA5
H5
SIF/AM(PV60E)
TV-V
H51
H2
MSP
PC IN
R,G,B
AUDIO OUT
AUDIO IN
TV_L/R
AUDIO INPUT SELECT
AV1 SCART
AV2 SCART
AV3 SCART
V,R,G,B
C,V
COMP VIDEO
Y,PB,PR
VIDEO INPUT SELECT
MAIN OUT
H1
H40
DC POWER
H AV TERMINAL, AV SWITCH,MSP
DG DIGITAL SIGNAL PROCESSOR
AUDIO DAC
HDMI I/F RECEIVER
HDMI IN
YG/UB
DG2
HDMI L/R
DG1
DVB-L/R
DVB_CVBS
Y/UV
PX60B ONLY
DG22
MAIN MCU
OSD
DG3
RGB PROCESSOR (GC5)
R
G
B
LVDS TRANS-MITTER
DG5
A/D
PC_R,G,B
MAIN_L/R
Y,PB/C,PR,CVBS
FAN SOS
SOUND SOS
DC POWER
PA SOS
DG20
CI SLOT
DEMOD
TUNER
XV01
DL_DR
CVBS
MVY/MVC
DAC
HDSL PEAKS_LITE
XV D-TV INTERFACE
S POWER SW
S1
STB_PS
STB12V
POWER SWITCH
S34
D FORMAT CONVERTER, PLASMA AI PROCESSOR
SDRAM
D5
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
VIDEO DATA
FLASH MEMORY
D3
FPGA CONTROL DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/ SOS7
MICOM
SOS8
SCAN CONTROL
D20
EEPROM
D25
P_ON/OFF
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
D31
D32
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
STB_PS
STB12V
VDA
+15V
VSUS
SS23
SS12
SS11
SU SCAN OUT
S.R 40
S.R 64
SD SCAN OUT
SC SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
SC20
SC2
SC23
P POWER SUPPLY
P2
VSUS
P23
15V
+5V
STBY5V_M
+15V
PS_SOS
P25
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
LINE FILTER
AC CORD
P9
RELAY
LINE FILTER
RECTIFIER
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
F_STBY-14V
P10
+15V
P5
STB_PS
STB12V
15V
Vda
P12
VSUS
P11
PA DC-DC CONVERTER
POWER SOS
FAN SOS
FAN
+15V
PA20
PA31 | PA34
PA40
DC/DC CONVERTER
SPEAKER AMP
L
R
PA2
SPEAKER L
SPEAKER R
PA10
SOUND SOS
PA5
C1 DATA DRIVER(LEFT)
C11
C12
Vda-75V
C22
C2 DATA DRIVER(RIGHT)
C21
C23
VDA
S.R.


K REMOTE RECEIVER LED
POWER LED
REMOTE RECEIVER
AI SENSOR
DVB LED
PX60B ONLY
K1
G1
G AV4 IN
AV4 IN
S-VIDEO IN
VIDEO IN
AUDIO IN
HEADPHONE
HP_L/R
L/R
G3
G51
GK KEY SCAN
GK3
KEY SCAN
SU SCAN OUT
S.R 64
TA TUNER
PV60E ONLY
TUNER
AM
SIF
V
TA5
H5
H51
SIF/AM(PV60E)
TV-V
MSP
PC IN
R,G,B
AUDIO OUT
AUDIO IN
AUDIO INPUT SELECT
AV1 SCART
AV2 SCART
AV3 SCART
COMP VIDEO
Y,PB,PR
V,R,G,B
C.V
TV_L/R
VIDEO INPUT SELECT
MAIN OUT
H2
H1
H40
DC POWER
H AV TERMINAL, AV SWITCH,MSP
SC SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
SC20
SC2
SC23
SD SCAN OUT
DG DIGITAL SIGNAL PROCESSOR
AUDIO DAC
HDMI I/F RECEIVER
HDMI IN
YG/UB
DG2
DG1
HDMI L/R
DVB-L/R
DVB_CVBS
Y/UV
PX60B ONLY
DG22
MAIN MCU
OSD
DG3
RGB PROCESSOR (GC5)
LVDS TRANS-MITTER
R G B
DG5
A/D
PC_R,G,B
MAIN_L/R
Y,PB/C,PR,CVBS
FAN SOS
SOUND SOS
DC POWER
PA SOS
DG20
XV D-TV INTERFACE
CI SLOT
DEMOD
TUNER
XV01
DAC
DL_DR
CVBS
MVY/MVC
HDSL PEAKS_LITE
S POWER SW
S1
STB_PS
STB12V
POWER SWITCH
S34
D FORMAT CONVERTER, PLASMA AI PROCESSOR
SDRAM
D5
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
VIDEO DATA
FLASH MEMORY
D3
FPGA CONTROL DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/ SOS7
MICOM
SOS8
SCAN CONTROL
D20
EEPROM
P_ON/OFF
D25
DC/DC CONVERTER
P3.3V P2.5V P1.2V
D31
D32
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
STB_PS STB12V
VDA
+15V
VSUS
SS23
SS12
SS11
P POWER SUPPLY
+5V STBY5V_M +15V PS_SOS
P25
P2
VSUS
P23
15V
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
LINE FILTER
AC CORD
P9
RELAY
LINE FILTER
RECTIFIER
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
F_STBY-14V
P10
+15V
P5
STB_PS STB12V 15V Vda
P12
VSUS
P11
PA DC-DC CONVERTER
PA20
PA40
PA10
PA5
POWER SOS
FAN SOS
+15V
PA31 | PA34
FAN
DC/DC CONVERTER
SPEAKER AMP
L
R
PA2
SOUND SOS
SPEAKER L
SPEAKER R
C1 DATA DRIVER(LEFT)
C11
C12
Vda-75V
C22
C2 DATA DRIVER(RIGHT)
C21
C23
VDA
S.R.


P POWER SUPPLY
HOT
COLD
TO AC CORD
P9
LIVE
NEUTRAL
F401
F402
L404
L405
D401
RECTIFIER
T401
D417
D419
D420
395V
Q404
Q406
R406
D415
C446, C447
OVER VOLTAGE PROTECTION (490V ± 80V)
R472
R473
R465
R464
D418
R458
PR401
F 5A 250V
T404
Q412 OSC
Q408 OSC
Q413 OSC
Q409 OSC
D531
C469
T402
T407
SW Q401
L403
SW Q402
IC406
POWER FACTOR CORRECTOR
VCC
MOS DRIVE
CURR DET
CURR COMP
R441
R442
R475
D407
Q420
Q422
Q407
R444
R455
R443
PFC
Q418
R497
Q421
PFC DET
R496 R495 R494
PFC OUT DETECTION (350V ± 40V)
IC411
ERROR DET
SW Q568
L:ON
IC402
ERROR DET
PFC DET
IC404
PHOTO COUPLER
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
IC520
POWER CONTROL (Vlow)
12V DET
Q566
D602
Q538
D539
D531
73V
C555
D586
D536
15V
R666
D551
R545
D574
15V OVER VOLTAGE PROTECTION (16V ± 2V)
D528
D529
D530
SW Q540
D520
178V (1.7A)
D514
VSUS DET
IC505
PHOTO COUPLER
Vsus POWER CURCUIT
Q507
VCC GD ZCD
INV VFF CS
IC509
DC-DC CONVERTER
R671
Csus
T601
PR601
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
R534
D585
IC507
PHOTO COUPLER
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
D542
D544
D545
R676
R674
R631
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
Q509
VIOW DET
R661
Vlow
BUFF Q510
BUFF Q564
BUFF Q565
BUFF Q541
Q508
VIOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET (Vsus)
R628
Vsus
P12 TO SS12
Vda
Vda
+15V
STB12V
STB_PS
P23 TO SC23
+15V
+15V
P5 TO PA5
+15Vc
+15Vc
+15Vc
+15Vs(S)
+15Vs(W)
+15Vs(W)
P11 TO SS11
Vsus
GND
P2 TO SC2
Vsus
GND
R413
L410
Q434
R435
R427
R407
D404
RECTIFIER
D435
D430
IC410
PHOTO COUPLER
R410
RL403
RL402
MAIN ON
Q501
Q502
RUSH ON
T410
12V
D511
D563
STB5V
D509
D441
5V
IC409 (IPD)
DC POWER CONTROL
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
IC408
PHOTO COUPLER
IC504
ERROR DET
STB_PS(12V)
IC405
PHOTO COUPLER
ECO
IC412
PHOTO COUPLER
D505
IC502
RESET
X501 4MHz
Q535
STB5V DET
ON:L
IC501
POWER MCU
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
BUFF Q569
Q521
BUFF Q563
Q537
STB5V ON/OFF
SW Q512
INV. Q561
ECO ON/OFF
Q551
VSUS ON/OFF
INV. Q559
VSUS DET
Q525,Q530
INV. Q524
INV. Q558
ECO ON
INV. Q557
POWER SOS LED BLINKING : 4TIMES
12V ON/OFF
Q554
D521
PR509
INV. Q553
D512
D513
D535
IC510
SWITCHING REGULATOR
OUT Vcc
PR805
P25 TO D25
+15Vc
+15Vc
+5Vc
+5Vc
STBY5V
H:ON
F_STBY_ON
H:ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
P10 TO PA10
F STB 14V
F STB 14V
F STB 14V
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
D D D D
G S S S

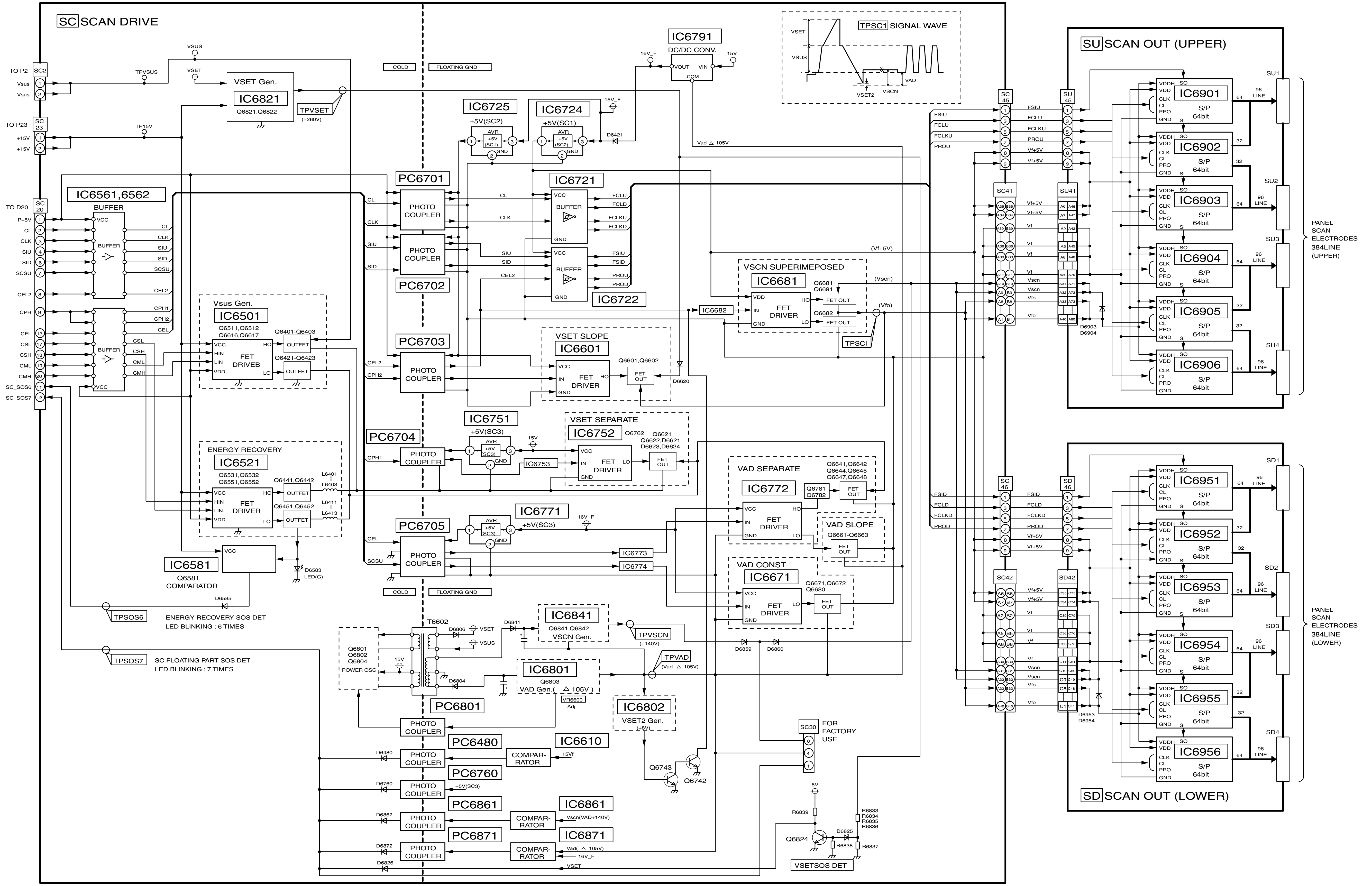

P POWER SUPPLY
HOT
COLD
TO AC CORD
P9
LIVE
NEUTRAL
F401
F402
L404
L405
D401
RECTIFIER
T401
Q404
Q406
R406
D415
D417
D419
D420
395V
C446, C447
OVER VOLTAGE PROTECTION (490V ± 80V)
R472
R473
R465
R464
D418
R458
PR401
F 5A 250V
T404
Q412 OSC
Q408 OSC
Q413 OSC
Q409 OSC
D531
D539
73V
C555
D586
D536
15V
SW
Q401
L403
SW
Q402
IC406
POWER FACTOR CORRECTOR
VCC
MOS DRIVE
CURR DET
CURR COMP
R441
R442
R475
D407
Q420
Q422
Q407
R444
R443
PFC
R455
Q418
R497
Q421
PFC DET
R496
R495
R494
PFC OUT DETECTION (350V ± 40V)
IC411
ERROR DET
SW
Q568
L:ON
IC402
ERROR DET
HOT
COLD
PFC DET
IC404
PHOTO COUPLER
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
C469
T402
IC520
POWER CONTROL (Vlow)
12V DET
Q566
D602
Q538
T407
D528
D530
D529
15V OVER VOLTAGE PROTECTION (16V ± 2V)
R666
D551
R545
D574
SW
Q540
D520
178V (1.7A)
D514
VSUS DET
IC505
PHOTO COUPLER
Vsus POWER CURCUIT
Q507
VCC GD ZCD
INV VFF CS
IC509
DC-DC CONVERTER
R671
Csus
T601
PR601
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
R534
D585
IC507
PHOTO COUPLER
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
D542
D544
D545
R676
R674
R631
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
BUFF
Q510
BUFF
Q564
BUFF
Q565
Q509
VlOW DET
BUFF
Q541
R661
Vlow
Q508
VlOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET (Vsus)
R628
Vsus
TO SS12
P12
Vda
Vda
+15V
STB12V
STB_PS
TO SC23
P23
+15V
+15V
TO PA5
P5
+15Vc
+15Vc
+15Vc
+15Vs(S)
+15Vs(W)
+15Vs(W)
TO SS11
P11
Vsus
GND
TO SC2
P2
Vsus
GND
R413
L410
Q434
R435
R427
R407
D404
RECTIFIER
D435
D430
IC410
PHOTO COUPLER
R410
RL403
RL402
MAIN ON
Q501
Q502
RUSH ON
T410
12V
D511
D563
STB5V
D509
D441
5V
IC409 (IPD)
DC POWER CONTROL
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
IC504
ERROR DET
IC408
PHOTO COUPLER
STB_PS(12V)
IC405
PHOTO COUPLER
ECO
IC412
PHOTO COUPLER
HOT
COLD
D505
IC502
RESET
X501 4MHz
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
IC501
POWER MCU
Q535
STB5V DET
ON:L
BUFF
Q569
Q521
BUFF
Q563
Q537
STB5V ON/OFF
SW
Q512
INV.
Q561
ECO ON/OFF
Q551
VSUS ON/OFF
INV.
Q559
VSUS DET
Q525,Q530
Q524
INV.
INV.
Q558
ECO ON
Q557
INV.
POWER SOS LED BLINKING : 4TIMES
12V ON/OFF
Q554
D521
PR509
Q553
INV.
D512
D513
H:ON
H:ON
IC510
SWITCHING REGULATOR
OUT Vcc
PR805
D535
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
D D D D
G S S S
TO D25
P25
+15Vc
+15Vc
+5Vc
+5Vc
STBY5V
F_STBY_ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
TO PA10
P10
F STB 14V
F STB 14V
F STB 14V


TO P10
PA10
F_STBY_14V
F_STBY_14V
F_STBY_14V
TP16
IC5601
AVR 5V/9V
ON/OFF1
VOUT1
VIN
ON/OFF2
VOUT2
SUB9V/
MAIN9V
SUB5V/MAIN5V
Q5603
MAIN5V
ON/OFF
Q5605
IC5602
AVR 1.8V/3.3V
Q5610
ON/OFF1
VOUT1
VIN
ON/OFF2
VOUT2
MAIN3.3V(2.5A)
MAIN1.8V(1.2A)
IC5604
AVR 3.3V
VIN
VOUT
Q5613
SUB9V(2.2A)
SUB9V(1.7A)
Q5601
MAIN_9V(0.4A)
MAIN_9V(0.1A)
ON/OFF
Q5602
SUB5V(1.0A)
MAIN5V(0.37A)
TPS9
TPS9V
TPM9
TPM9V
TPS5
TPS5V
TPM5
TPM5V
TPM33
TPM33V
TPM18
TPM18V
MAIN3.3V(1.55A)
MAIN1.8V(1.2A)
Q5643
Q5641
ON/OFF
Q5604
Q5642
D5646
NR14V
SUB_3.3V
D5641
SUB_9V-1
SUB_5V
D5643
D5649
MAIN_1.8V
D5647
MAIN_9V
MAIN_5V
SUB3.3V
TPS33
TPS33V
D5635
D5642
D5644
D5639
D5634
Q5644
D5637
D5640
D5638
STB5V1
STB5V1
PA SOS
LED BLINKING : 10TIMES
TUNER_MAIN_ON
TV_SUB_ON
SOS
TP5616
TP5615
TP5617
PA20
TO DG20
SUB9V
SUB9V
SUB9V
MAIN9V
SUB5V
SUB5V
MAIN5V
MAIN5V
MAIN3.3V
MAIN3.3V
MAIN3.3V
MAIN1.8V
MAIN1.8V
TUNER_MAIN_ON
TUNER_SUB_ON
PA_SOS
SOUND_SOS
FAN_CONT
FAN_SOS
SL
SR
PA40
TO H40
STB5V
SUB9V
MAIN9V
SUB5VA
SUB5VA
SUB3.3V
MAIN3.3V
AMUTE
IC5801
AVR 15V
FAN CONTROL
Vin
Vadj
ON/OFF
Vout
(sw)
PA31
FAN
SOS
D5805
PA32
FAN
SOS
D5804
PA33
FAN
SOS
D5806
PA34
FAN
SOS
D5807
FAN SOS
LED BLINKING : 11TIMES
MAIN9V
Q2300
SOUND SOS
LED BLINKING : 12TIMES
D2309
PA5
TO P5
+15V
+15V
+15V
+15V
+15V
IC2304
OP AMP
Q2306
Q2302
Q2307
Q2303
IC2302
SPEAKER AMP
RINP
LINP
PVCCL
PVCCL
PVCCR
PVCCR
SHUTDOWN
FAULT
AVCC
LOUTP
LOUTP
LOUTN
LOUTN
ROUTN
ROUTN
ROUTP
ROUTP
Q2301
PA2
TO SPEAKER
(W-R & W-L)
W_L-
W_L+
W_R-
W_R+
IC2306
OP AMP
MAIN9V
PA
DC-DC CONVERTER
SPEAKER OUT/AUDIO AMP
FAN CONTROL


SC SCAN DRIVE
TO P2
SC2
Vsus
TO P23
SC23
+15V
TO D20
SC20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
VSUS
TPVSUS
VSET
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+260V)
TP15V
COLD
FLOATING GND
IC6791
DC/DC CONV.
16V_F
15V
VOUT
VIN
COM
Vad △ 105V
TPSC1 SIGNAL WAVE
VSET2
VSCN
VAD
IC6725
+5V(SC2)
AVR
IC6724
+5V(SC1)
15V_F
D6421
IC6561,6562
BUFFER
VCC
PC6701
PHOTO COUPLER
PC6702
IC6721
IC6722
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
(Vf+5V)
VSCN SUPERIMEPOSED
IC6681
Q6681 Q6691
Q6682
FET DRIVER
FET OUT
(Vscn)
(Vfo)
IC6682
TPSCI
Vsus Gen.
IC6501
Q6511,Q6512 Q6616,Q6617
Q6401-Q6403
Q6421-Q6423
FET DRIVEB
OUTFET
PC6703
CPH2
VSET SLOPE
IC6601
Q6601,Q6602
D6620
IC6751
+5V(SC3)
VSET SEPARATE
IC6752
Q6762
Q6621 Q6622,D6621 D6623,D6624
IC6753
PC6704
CPH1
ENERGY RECOVERY
IC6521
Q6531,Q6532 Q6551,Q6552
Q6441,Q6442
Q6451,Q6452
L6401
L6403
L6411
L6413
VAD SEPARATE
Q6641,Q6642 Q6644,Q6645 Q6647,Q6648
IC6772
Q6781 Q6782
VAD SLOPE
Q6661-Q6663
IC6771
PC6705
SCSU
IC6773
IC6774
VAD CONST
IC6671
Q6671,Q6672 Q6680
IC6581
Q6581 COMPARATOR
D6583 LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
T6602
D6806
D6841
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+140V)
Q6801 Q6802 Q6804
POWER OSC
D6804
IC6801
Q6803
VAD Gen.(△ 105V)
VR6600 Adj.
TPVAD
(Vad △ 105V)
D6859
D6860
IC6802
VSET2 Gen.
(+8V)
PC6801
SC30
FOR FACTORY USE
Q6743
Q6742
PC6480
IC6610
COMPAR-RATOR
15Vf
D6480
PC6760
D6760
PC6861
IC6861
Vscn(VAD+140V)
D6862
PC6871
IC6871
Vad(△ 105V)
D6872
D6826
R6839
R6833 R6834 R6835 R6836
Q6824
D6825
R6838
R6837
VSETSOS DET
SC45
SU45
SC41
SU41
D6903 D6904
SU SCAN OUT (UPPER)
IC6901
IC6902
IC6903
IC6904
IC6905
IC6906
VDDH
SO
SI
PRO
GND
S/P 64bit
S/P 40bit
120 LINE
SU1
SU2
SU3
PANEL SCAN ELECTRODES 360LINE (UPPER)
SC46
SD46
SC42
SD42
D6953 D6954
SD SCAN OUT (LOWER)
IC6951
IC6952
IC6953
IC6954
IC6955
IC6956
SD1
SD2
SD3
PANEL SCAN ELECTRODES 360LINE (LOWER)

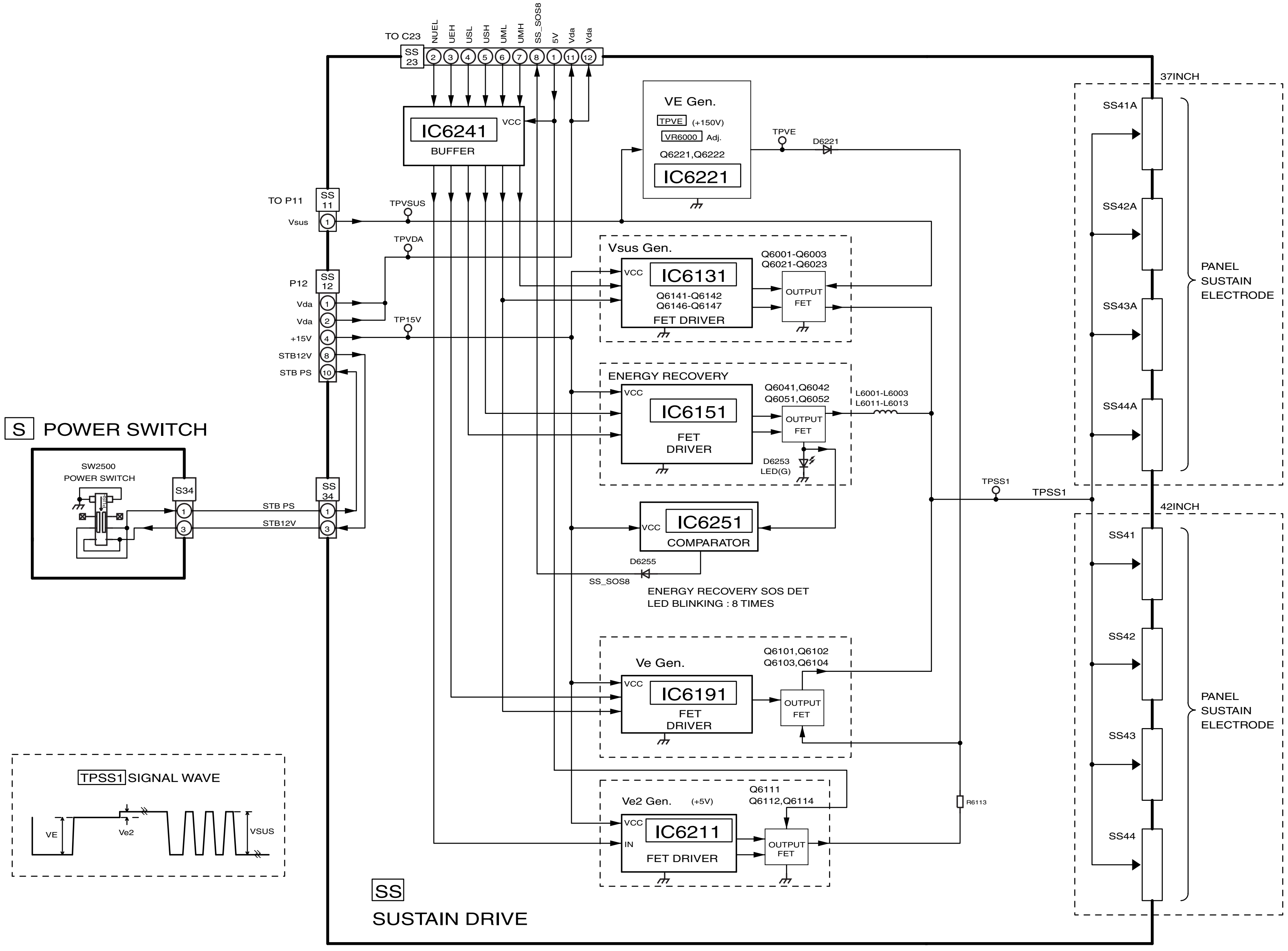
TH-37PV60E, TH-37PX60B
SC, SU and SD-Board Block Diagram

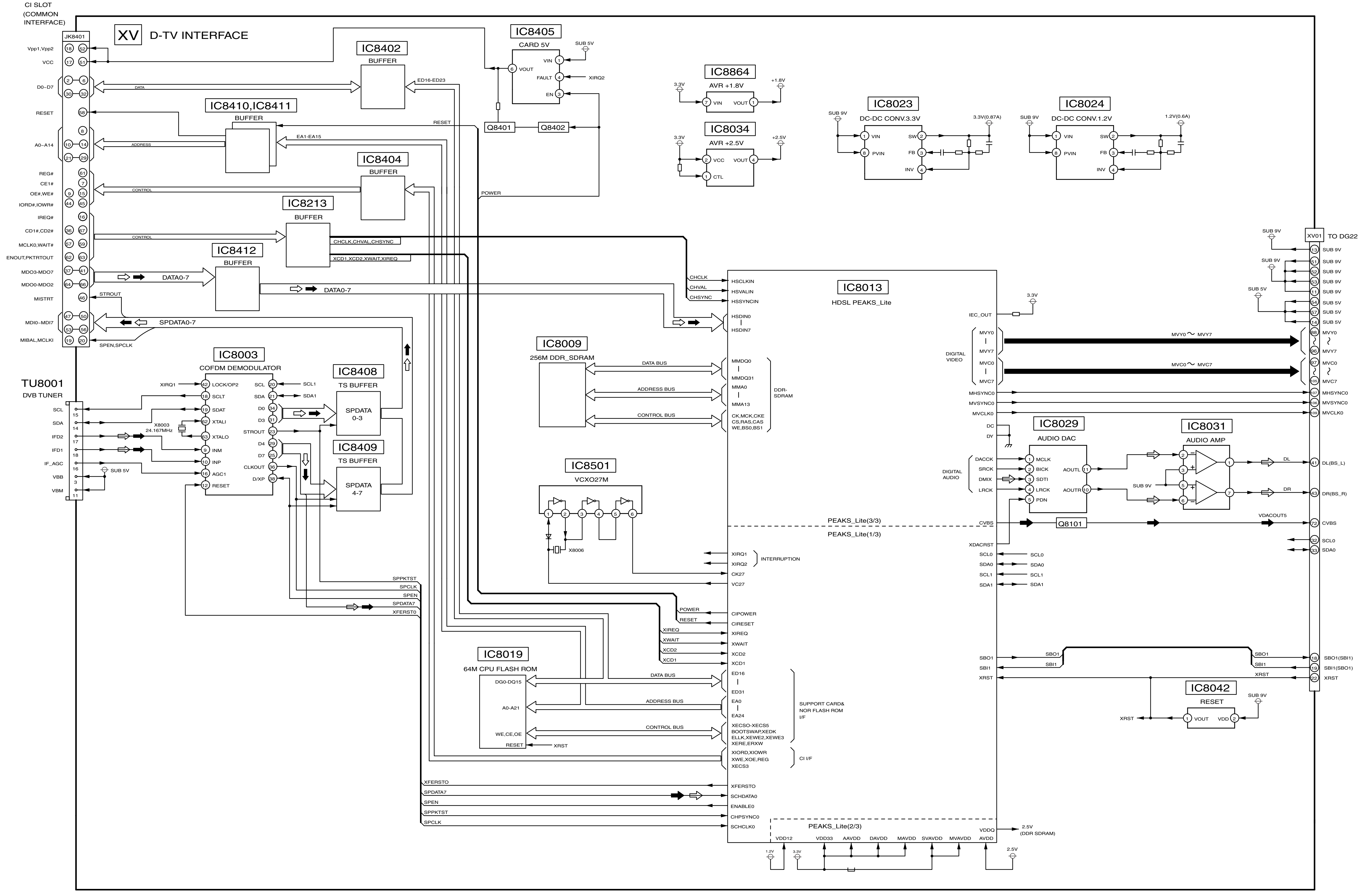
TH-37PV60E, TH-37PX60B
SC, SU and SD-Board Block Diagram


SC SCAN DRIVE
TO P2
SC2
Vsus
Vsus
TO P23
SC23
+15V
+15V
TO D20
SC20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
VSUS
TPVSUS
VSET
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+260V)
TP15V
IC6561,6562
BUFFER
COLD
FLOATING GND
IC6725
+5V(SC2)
AVR
IC6724
+5V(SC1)
15V_F
D6421
IC6791
DC/DC CONV.
16V_F
15V
VOUT
VIN
COM
Vad △ 105V
TPSC1 SIGNAL WAVE
VSET
VSUS
VSET2
VSCN
VAD
PC6701
PHOTO COUPLER
IC6721
BUFFER
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
PC6702
IC6722
Vsus Gen.
IC6501
Q6511,Q6512
Q6616,Q6617
Q6401-Q6403
Q6421-Q6423
FET DRIVEB
OUTFET
PC6703
VSET SLOPE
IC6601
Q6601,Q6602
FET DRIVER
FET OUT
D6620
VSCN SUPERIMEPOSED
IC6681
Q6681
Q6691
Q6682
IC6682
(Vf+5V)
(Vscn)
(Vfo)
TPSCI
PC6704
IC6751
+5V(SC3)
VSET SEPARATE
IC6752
Q6762
Q6621
Q6622,D6621
D6623,D6624
IC6753
ENERGY RECOVERY
IC6521
Q6531,Q6532
Q6551,Q6552
Q6441,Q6442
Q6451,Q6452
L6401
L6403
L6411
L6413
VAD SEPARATE
Q6641,Q6642
Q6644,Q6645
Q6647,Q6648
IC6772
Q6781
Q6782
PC6705
IC6771
VAD SLOPE
Q6661-Q6663
IC6773
IC6774
VAD CONST
IC6671
Q6671,Q6672
Q6680
IC6581
Q6581
COMPARATOR
D6583
LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
T6602
D6806
VSUS
Q6801
Q6802
Q6804
POWER OSC
D6804
D6841
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+140V)
D6859
D6860
TPVAD
(Vad △ 105V)
IC6801
Q6803
VAD Gen.(△105V)
VR6600
Adj.
PC6801
IC6802
VSET2 Gen.
(+8V)
SC30
FOR FACTORY USE
Q6743
Q6742
PC6480
IC6610
COMPAR-RATOR
15Vf
D6480
PC6760
D6760
IC6861
PC6861
Vscn(VAD+140V)
D6862
IC6871
PC6871
Vad(△ 105V)
16V_F
D6872
D6826
5V
R6839
Q6824
D6825
R6833
R6834
R6835
R6836
R6838
R6837
VSETSOS DET
SC45
SU45
SC41
SU41
Vf+5V
Vf
Vscn
Vfo
D6903
D6904
SU SCAN OUT (UPPER)
IC6901
IC6902
IC6903
IC6904
IC6905
IC6906
VDDH
VDD
CLK
CL
PRO
GND
SO
SI
S/P
64bit
64
32
96 LINE
SU1
SU2
SU3
SU4
PANEL SCAN ELECTRODES 384LINE (UPPER)
SC46
SD46
SC42
SD42
D6953
D6954
SD SCAN OUT (LOWER)
IC6951
IC6952
IC6953
IC6954
IC6955
IC6956
SD1
SD2
SD3
SD4
PANEL SCAN ELECTRODES 384LINE (LOWER)

TH-42PV60E, TH-42PX60B
SC, SU and SD-Board Block Diagram

TH-42PV60E, TH-42PX60B
SC, SU and SD-Board Block Diagram


TO C23
SS 23
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
5V
Vda
Vda
2
3
4
5
6
7
8
1
11
12
IC6241
VCC
BUFFER
VE Gen.
TPVE
(+150V)
VR6000
Adj.
Q6221,Q6222
IC6221
TPVE
D6221
TO P11
SS 11
Vsus
1
TPVSUS
TPVDA
P12
SS 12
Vda
Vda
+15V
STB12V
STB PS
1
2
4
8
10
TP15V
Vsus Gen.
VCC
IC6131
Q6141-Q6142
Q6146-Q6147
FET DRIVER
Q6001-Q6003
Q6021-Q6023
OUTPUT FET
ENERGY RECOVERY
VCC
IC6151
FET DRIVER
Q6041,Q6042
Q6051,Q6052
OUTPUT FET
D6253
LED(G)
L6001-L6003
L6011-L6013
VCC
IC6251
COMPARATOR
D6255
SS_SOS8
ENERGY RECOVERY SOS DET
LED BLINKING : 8 TIMES
Ve Gen.
VCC
IC6191
FET DRIVER
Q6101,Q6102
Q6103,Q6104
OUTPUT FET
Ve2 Gen.
(+5V)
VCC
IN
IC6211
FET DRIVER
Q6111
Q6112,Q6114
OUTPUT FET
R6113
TPSS1
TPSS1
SS
SUSTAIN DRIVE
S
POWER SWITCH
SW2500
POWER SWITCH
PUSH
S34
1
3
STB PS
STB12V
SS 34
1
3
TPSS1 SIGNAL WAVE
VE
Ve2
VSUS
37INCH
SS41A
SS42A
SS43A
SS44A
PANEL SUSTAIN ELECTRODE
42INCH
SS41
SS42
SS43
SS44
PANEL SUSTAIN ELECTRODE


CI SLOT (COMMON INTERFACE)
XV
D-TV INTERFACE
JK8401
Vpp1,Vpp2
VCC
D0~D7
RESET
A0~A14
REG#
CE1#
OE#,WE#
IORD#,IOWR#
IREQ#
CD1#,CD2#
MCLK0,WAIT#
ENOUT,PKTRTOUT
MDO3~MDO7
MDO0~MDO2
MISTRT
MDI0~MDI7
MIBAL,MCLKI
DATA
ADDRESS
CONTROL
IC8402
BUFFER
ED16-ED23
IC8410,IC8411
BUFFER
EA1-EA15
RESET
IC8404
BUFFER
IC8213
BUFFER
CHCLK,CHVAL,CHSYNC
XCD1,XCD2,XWAIT,XIREQ
IC8412
BUFFER
DATA0-7
STROUT
SPDATA0-7
SPEN,SPCLK
IC8405
CARD 5V
SUB 5V
VIN
VOUT
FAULT
XIRQ2
EN
Q8401
Q8402
POWER
IC8864
AVR +1.8V
3.3V
+1.8V
IC8034
AVR +2.5V
+2.5V
VCC
CTL
IC8023
DC-DC CONV.3.3V
SUB 9V
3.3V(0.87A)
PVIN
SW
FB
INV
IC8024
DC-DC CONV.1.2V
1.2V(0.6A)
XV01
TO DG22
SUB 9V
SUB 5V
IC8013
HDSL PEAKS_Lite
HSCLKIN
HSVALIN
HSSYNCIN
HSDIN0
HSDIN7
CHCLK
CHVAL
CHSYNC
IEC_OUT
DIGITAL VIDEO
MVY0
MVY7
MVC0
MVC7
MVY0 ~ MVY7
MVC0 ~ MVC7
MHSYNC0
MVSYNC0
MVCLK0
DC
DY
IC8009
256M DDR_SDRAM
DATA BUS
ADDRESS BUS
CONTROL BUS
MMDQ0
MMDQ31
MMA0
MMA13
CK,MCK,CKE CS,RAS,CAS WE,BS0,BS1
DDR-SDRAM
TU8001
DVB TUNER
SCL
SDA
IFD2
IFD1
IF_AGC
VBB
VBM
IC8003
COFDM DEMODULATOR
XIRQ1
LOCK/OP2
SCLT
SDAT
XTALI
XTALO
X8003 24.167MHz
INM
INP
AGC1
RESET
SCL1
SDA1
D0
D3
STROUT
D4
D7
CLKOUT
D/XP
IC8408
TS BUFFER
SPDATA 0-3
IC8409
TS BUFFER
SPDATA 4-7
IC8501
VCXO27M
X8006
IC8029
AUDIO DAC
DIGITAL AUDIO
DACCK
SRCK
DMIX
LRCK
MCLK
BICK
SDTI
PDN
AOUTL
AOUTR
IC8031
AUDIO AMP
DL
DR
DL(BS_L)
DR(BS_R)
PEAKS_Lite(3/3)
PEAKS_Lite(1/3)
CVBS
Q8101
VDACOUT5
XDACRST
SCL0
SDA0
SCL1
SDA1
XIRQ1
XIRQ2
INTERRUPTION
CK27
VC27
SPPKTST
SPCLK
SPEN
SPDATA7
XFERST0
CIPOWER
CIRESET
XIREQ
XWAIT
XCD2
XCD1
IC8019
64M CPU FLASH ROM
DG0-DQ15
A0-A21
WE,CE,OE
RESET
XRST
ED16
ED31
EA0
EA24
XECS0-XECS5 BOOTSWAP,XEDK ELLK,XEWE2,XEWE3 XERE,ERXW
SUPPORT CARD& NOR FLASH ROM I/F
XIORD,XIOWR XWE,XOE,REG XECS3
CI I/F
SBO1
SBI1
SBO1(SBI1)
SBI1(SBO1)
XRST
IC8042
RESET
VOUT
VDD
XFERSTO
SCHDATA0
ENABLE0
CHPSYNC0
SCHCLK0
PEAKS_Lite(2/3)
VDDQ
2.5V (DDR SDRAM)
VDD12
VDD33
AAVDD
DAVDD
MAVDD
SVAVDD
MVAVDD
AVDD
1.2V
3.3V
2.5V

TH-37/42PX60B
XV-Board Block Diagram

6

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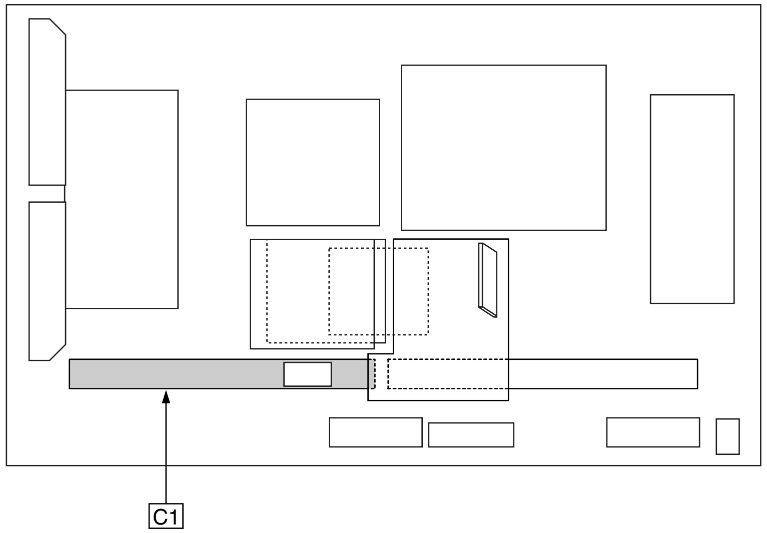
3

2

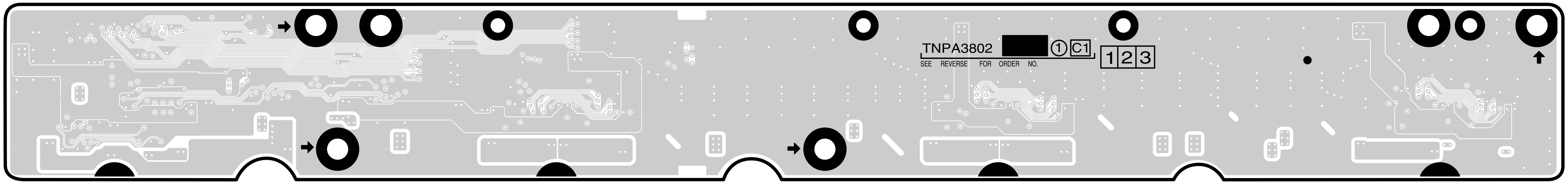
1

Parts Location

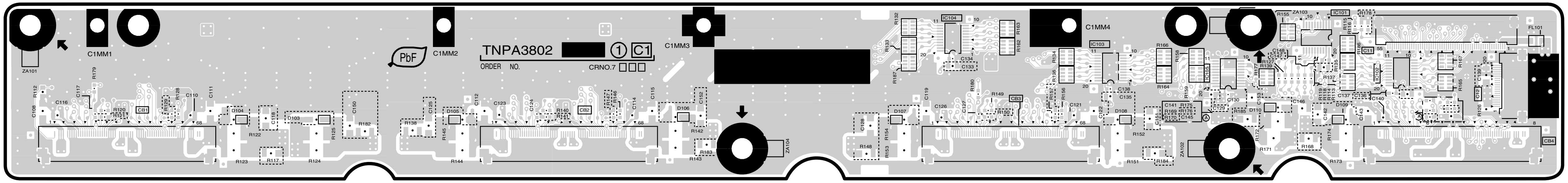
C1-BOARD	
IC	
IC7101	H-2
IC7102	H-2
IC7103	G-2
IC7104	F-2
IC7105	G-2



C1-BOARD (FOIL SIDE)
TNPA3802AB


TNPA3802
①
C1
SEE REVERSE FOR ORDER NO.
1 2 3

C1-BOARD (COMPONENT SIDE)
TNPA3802AB

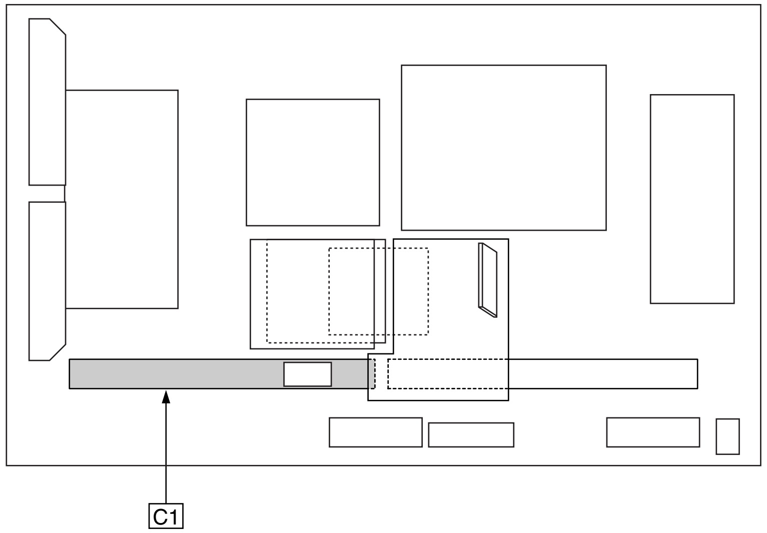

ZA101
C1MM1
PbF
C1MM2
TNPA3802
①
C1
ORDER NO.
CRNO.7
C1MM3
C1MM4
ZA104
ZA102
ZA103
IC101
IC103
IC104
FL101
CB1
CB2
CB3
CB4
D104
D105
D106
D107
D108
D109
D110

A B C D E F G H I

6

Parts Location

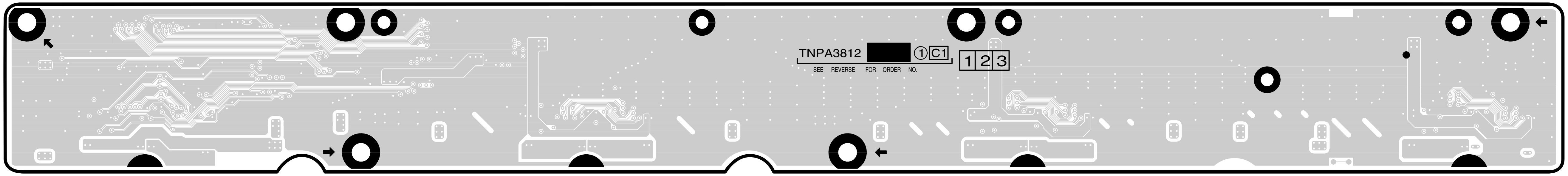
C1-BOARD	
IC	
IC7101	H-2
IC7102	I-2
IC7103	G-2
IC7104	F-1
IC7105	H-2



5

4

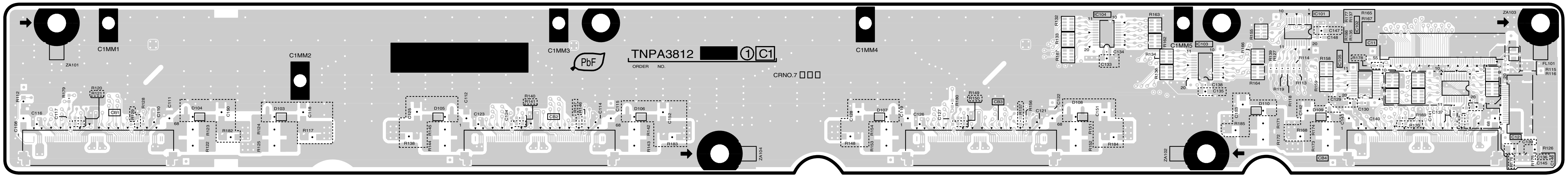
C1-BOARD (FOIL SIDE)
TNPA3812AB


TNPA3812
①C1
1 2 3
SEE REVERSE FOR ORDER NO.

3

2

C1-BOARD (COMPONENT SIDE)
TNPA3812AB


C1MM1
C1MM2
C1MM3
C1MM4
C1MM5
ZA101
ZA102
ZA103
ZA104
PbF
TNPA3812
①C1
ORDER NO.
CRNO.7
IC101
IC103
IC104
FL101

1

A B C D E F G H I

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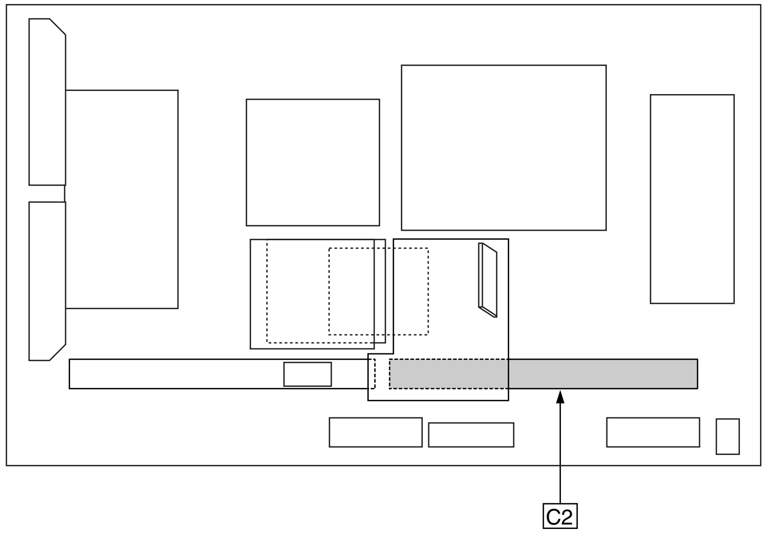
2

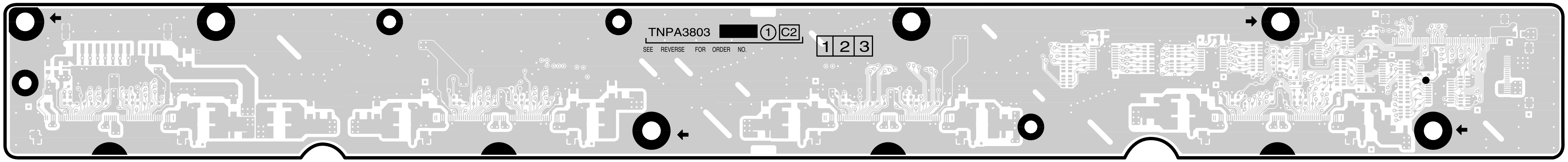
1

Parts Location

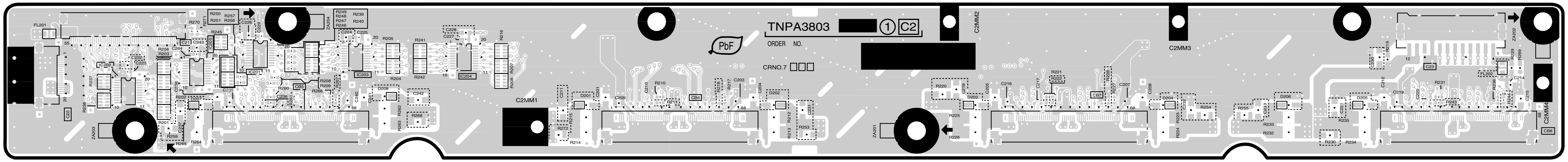
C2-BOARD	
IC	
IC7201	B-2
IC7202	A-1
IC7203	C-2
IC7204	C-2
IC7205	B-2



C2-BOARD (FOIL SIDE)
TNPA3803AB


TNPA3803
① C2
SEE REVERSE FOR ORDER NO.
1 2 3

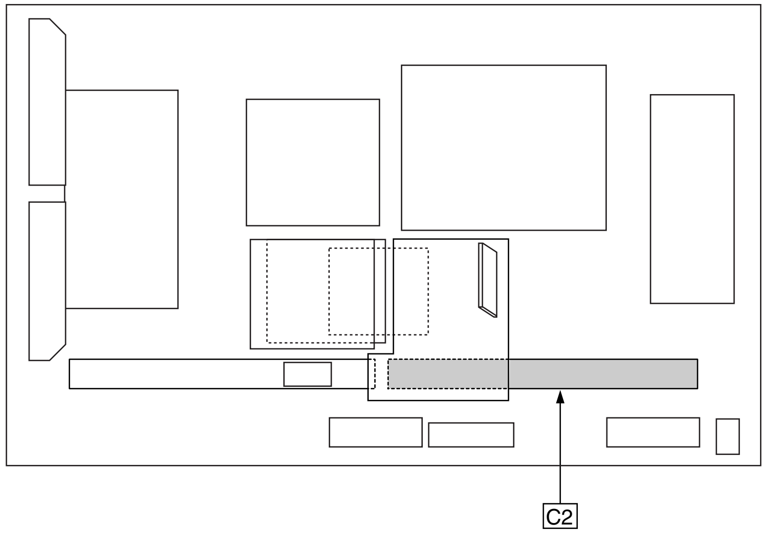
C2-BOARD (COMPONENT SIDE)
TNPA3803AB


TNPA3803
① C2
ORDER NO.
CRNO.7
PbF
C2MM1
C2MM2
C2MM3
C2MM4
IC7201
IC7202
IC7203
IC7204
IC7205

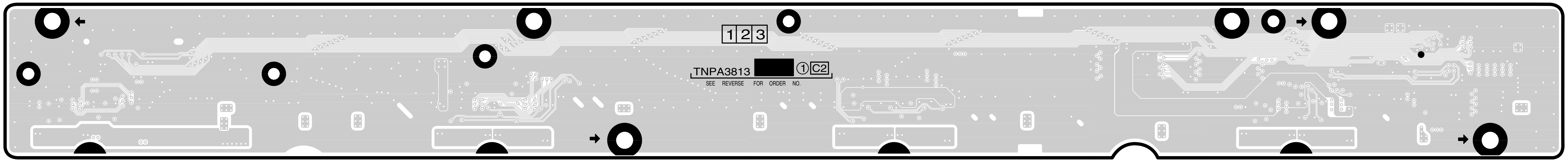
A B C D E F G H I

Parts Location

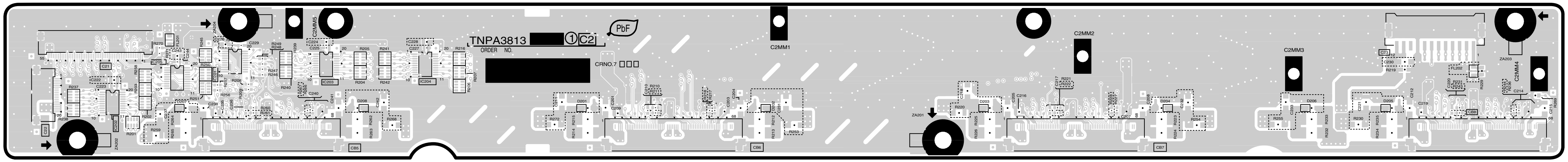
C2-BOARD	
IC	
IC7201	B-2
IC7202	A-1
IC7203	B-2
IC7204	C-2
IC7205	B-1



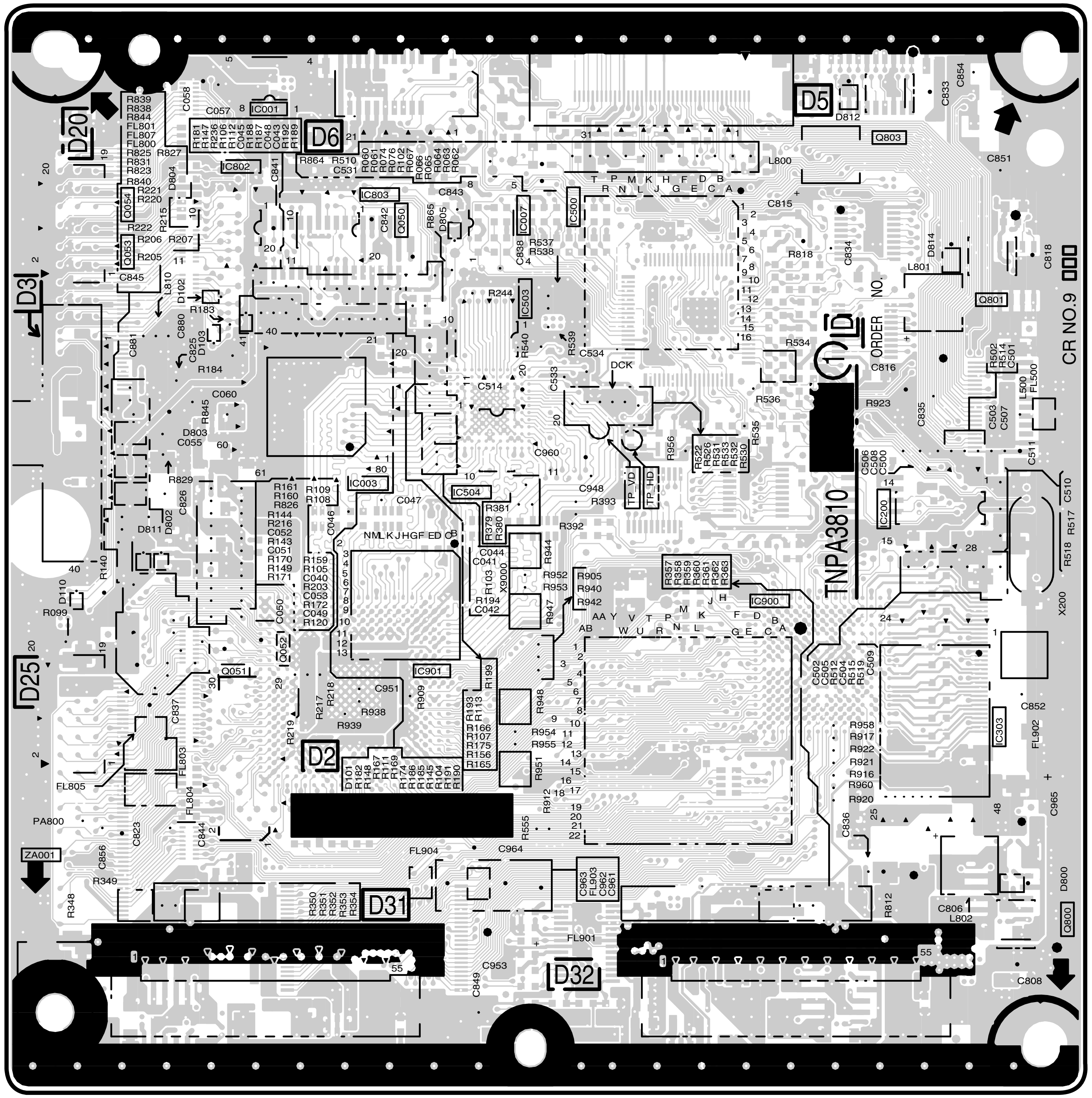
C2-BOARD (FOIL SIDE)
TNPA3813AB

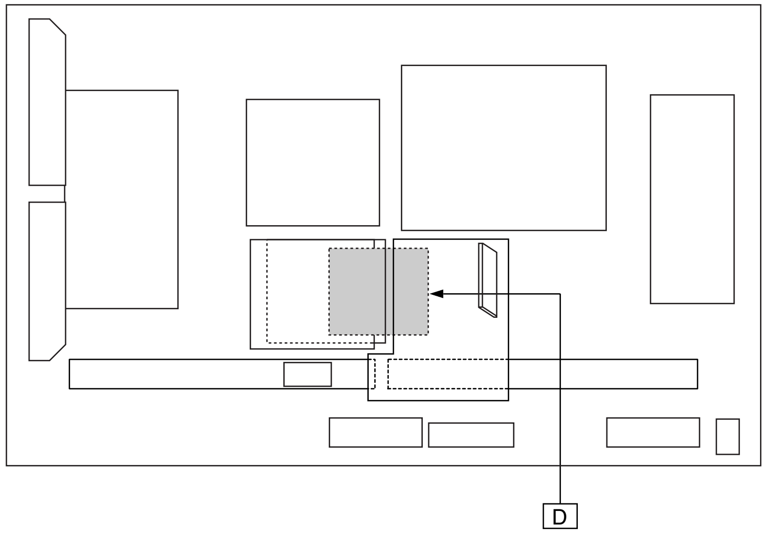

1 2 3
TNPA3813
① C2
SEE REVERSE FOR ORDER NO.

C2-BOARD (COMPONENT SIDE)
TNPA3813AB


TNPA3813
① C2
ORDER NO.
PbF
CRNO.7
C2MM5
C2MM1
C2MM2
C2MM3
C2MM4
ZA201
ZA203
IC203
IC204

D-BOARD (COMPONENT SIDE)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)


D20
D6
D5
D3
D25
D2
D31
D32
IC001
IC802
IC803
IC003
IC504
IC503
IC900
IC901
C303
Q803
Q801
Q800
Q054
Q053
Q050
Q051
C007
C500
C200
TP_VD
TP_HD
DCK
TNPA3810
CR NO.9
ORDER NO.
ZA001
PA800
FL805
FL901
FL902
FL904
X200
X9000
L800
L801
L802
L500
FL500
55
1



Parts Location

D-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC9001	B-5	Q9050	C-5
IC9003	C-4	Q9051	B-3
IC9007	C-5	Q9052	B-3
IC9200	E-4	Q9053	B-5
IC9303	E-3	Q9054	B-5
IC9500	D-5	Q9800	F-2
IC9503	C-4	Q9801	E-4
IC9504	C-4	Q9803	E-5
IC9802	B-5	**TP**	
IC9803	C-5	TP-HD	D-4
IC9900	D-3	TP-VD	D-4
IC9901	C-3		

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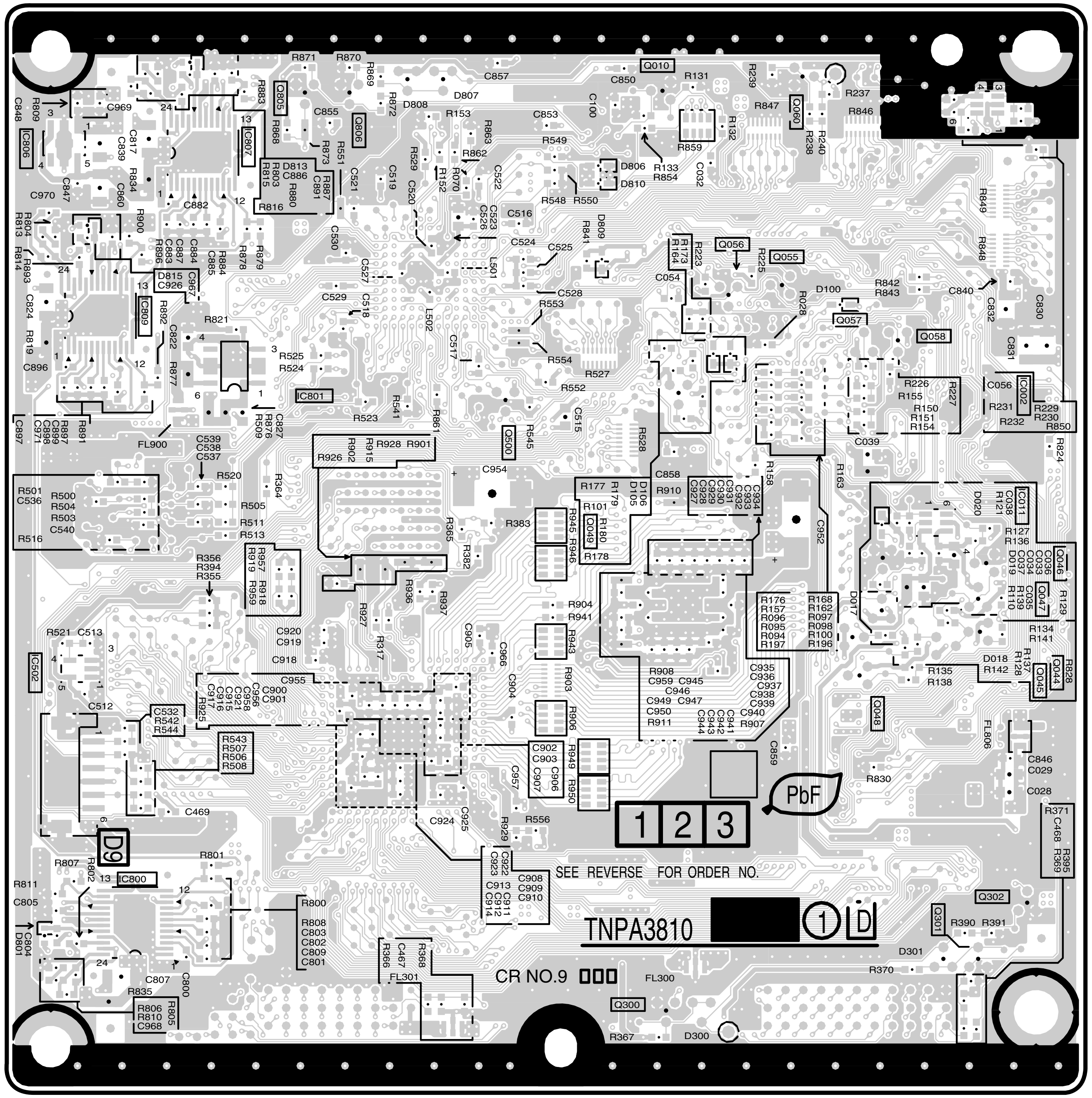
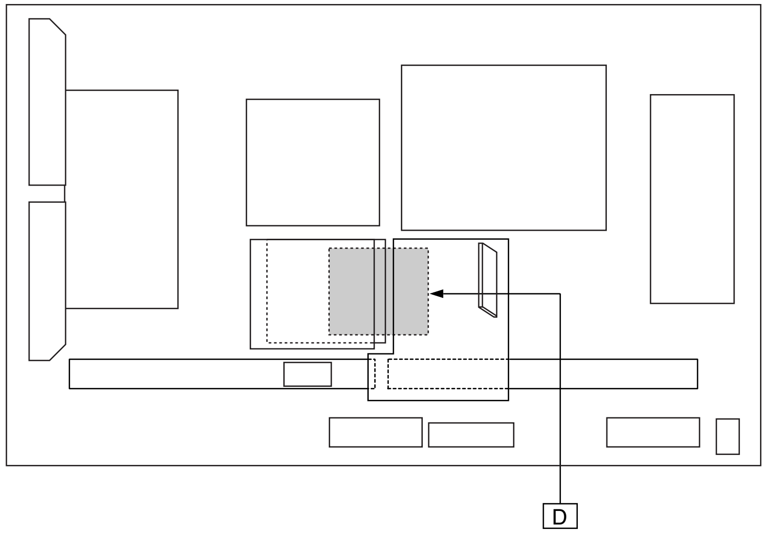
A B C D E F G H I

D-BOARD (FOIL SIDE)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)


1 2 3
PbF
SEE REVERSE FOR ORDER NO.
TNPA3810
① D
CR NO.9
D9
FL900
FL301
FL300
FL806
IC800
IC801
IC802
IC806
IC807
IC809
IC502
Q010
Q044
Q045
Q046
Q047
Q048
Q049
Q055
Q056
Q057
Q058
Q060
Q300
Q301
Q302
Q500
Q805
Q806



Parts Location

D-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC9002	E-4	Q9010	D-5
IC9011	E-4	Q9044	E-3
IC9502	A-3	Q9045	E-3
IC9800	B-2	Q9046	E-3
IC9801	B-4	Q9047	E-3
IC9806	A-5	Q9048	E-3
IC9807	B-5	Q9049	D-3
IC9809	B-4	Q9055	D-5
		Q9056	D-5
		Q9057	E-4
		Q9058	E-4
		Q9060	D-5
		Q9300	D-2
		Q9301	E-2
		Q9302	E-2
		Q9500	C-4
		Q9805	B-5
		Q9806	C-5

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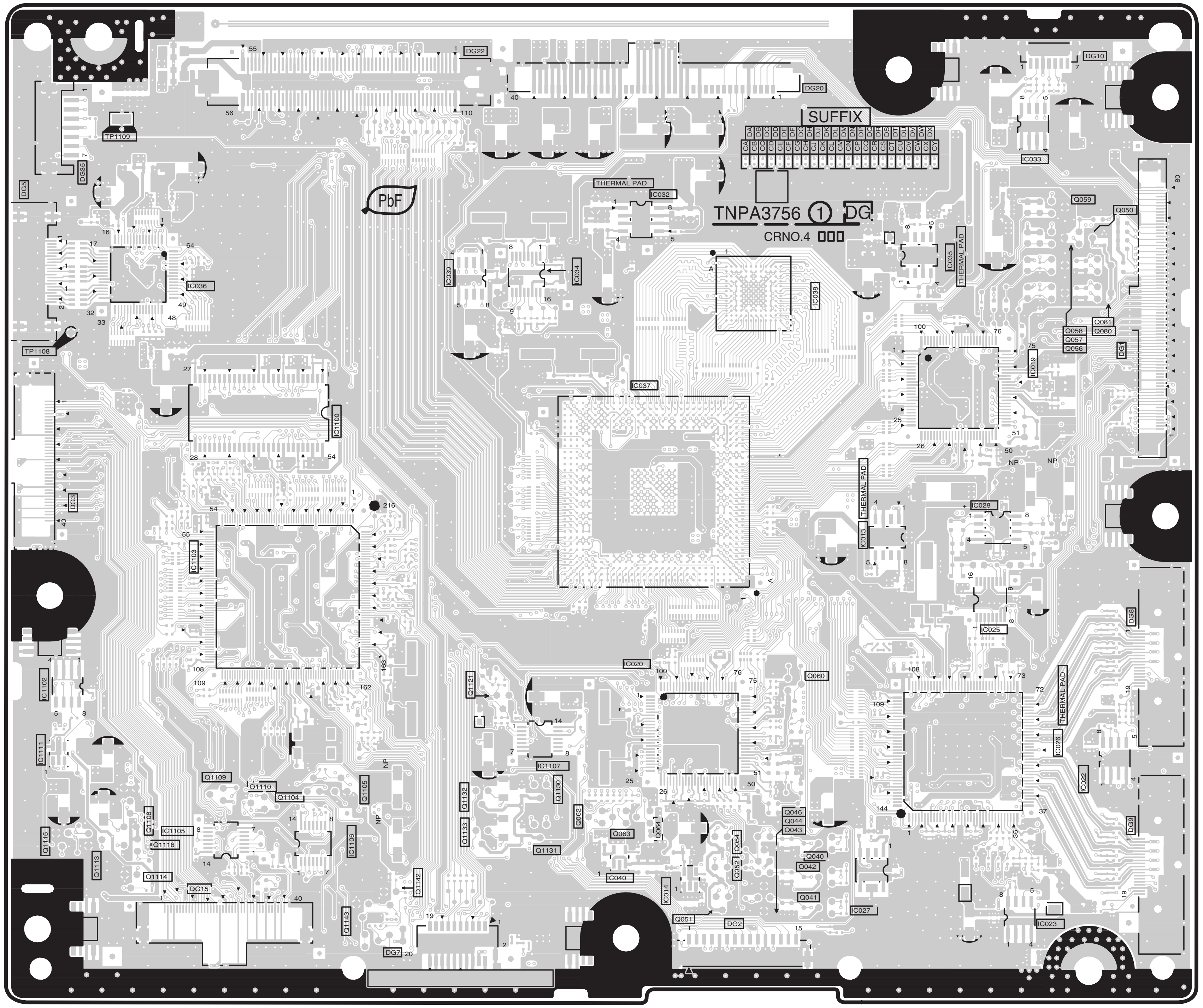
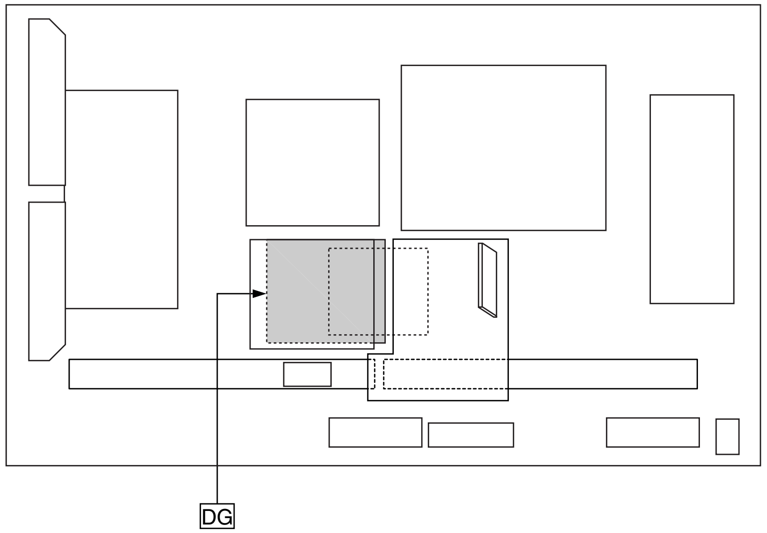
DG-BOARD (COMPONENT SIDE)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)


SUFFIX
TNPA3756 ① DG
CRNO.4
PbF
THERMAL PAD
IC032
IC033
IC034
IC035
IC036
IC037
IC038
IC039
IC1100
IC1102
IC1103
IC1105
IC1106
IC1107
IC1111
IC013
IC014
IC019
IC020
IC022
IC023
IC025
IC026
IC027
IC028
IC040
Q1104
Q1105
Q1109
Q1110
Q1113
Q1114
Q1115
Q1116
Q1121
Q1130
Q1131
Q1132
Q1133
Q1142
Q1143
Q040
Q041
Q042
Q043
Q044
Q046
Q050
Q051
Q056
Q057
Q058
Q059
Q063
Q080
Q081
TP1108
TP1109
DG2
DG3
DG5
DG7
DG8
DG9
DG10
DG15
DG20
DG22
DG33
DG35
NP



Parts Location

DG-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		Q4056	F-4
IC1100	C-4	Q1104	B-2	Q4057	F-4
IC1102	A-2	Q1105	C-2	Q4058	F-4
IC1103	B-3	Q1108	B-2	Q4059	F-5
IC1105	B-2	Q1109	B-2	Q4062	D-2
IC1106	C-2	Q1110	B-2	Q4063	D-2
IC1107	D-2	Q1113	A-2	Q4080	F-4
IC1111	A-2	Q1114	B-2	Q4081	F-4
IC4013	E-3	Q1115	A-2	**TP**	
IC4014	D-1	Q1116	B-2	TP1108	A-4
IC4019	F-4	Q1121	C-2	TP1109	A-5
IC4020	D-3	Q1130	D-2		
IC4022	F-2	Q1131	D-2		
IC4023	F-1	Q1132	C-2		
IC4025	F-3	Q1133	C-2		
IC4026	F-2	Q1142	C-1		
IC4027	E-1	Q1143	C-1		
IC4028	F-3	Q4040	E-2		
IC4032	D-5	Q4041	E-1		
IC4033	F-5	Q4042	E-2		
IC4034	D-4	Q4043	E-2		
IC4035	E-4	Q4044	E-2		
IC4036	B-4	Q4046	E-2		
IC4037	D-4	Q4050	F-5		
IC4038	E-4	Q4051	D-1		
IC4039	C-4	Q4052	D-2		
IC4040	D-2	Q4054	D-2		

A B C D E F G H I

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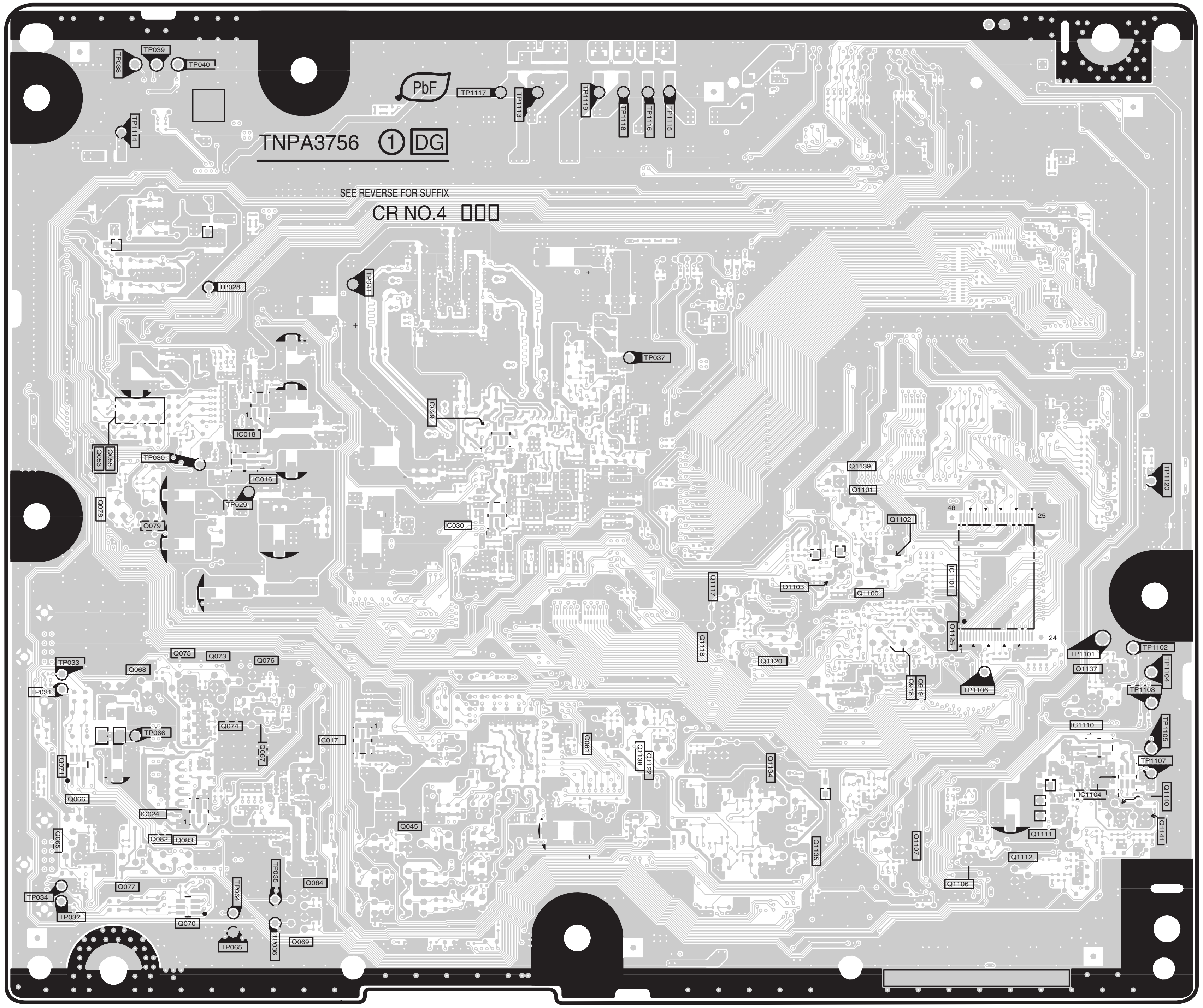
1

DG-BOARD (FOIL SIDE)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)


PbF
TNPA3756 ① DG
SEE REVERSE FOR SUFFIX
CR NO.4
TP039
TP038
TP040
TP1114
TP1117
TP1113
TP1119
TP1118
TP1116
TP1115
TP028
TP041
TP037
IC029
IC018
IC016
TP030
TP029
Q053
Q052
Q078
Q079
IC030
Q1139
Q1101
Q1102
TP1120
48
25
24
IC1101
Q1117
Q1103
Q1100
Q1118
Q1125
Q1120
TP1101
TP1102
Q1137
TP1104
TP1106
Q1118
Q1119
TP1103
TP033
TP031
Q068
Q075
Q073
Q076
TP066
Q074
Q067
IC017
Q061
Q1138
Q1122
Q1134
IC1110
TP1105
TP1107
Q071
Q066
IC024
Q082
Q083
Q065
Q045
Q1135
Q1107
IC1104
Q1140
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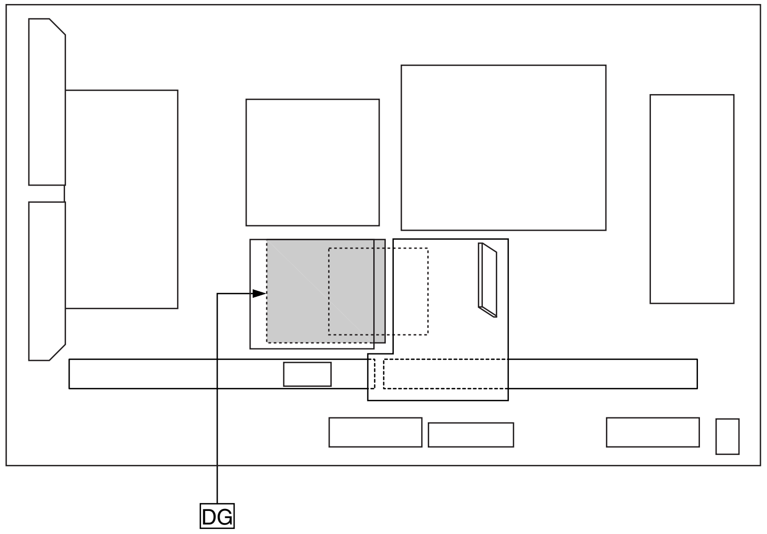
TP032
Q070
TP065
TP036
Q069

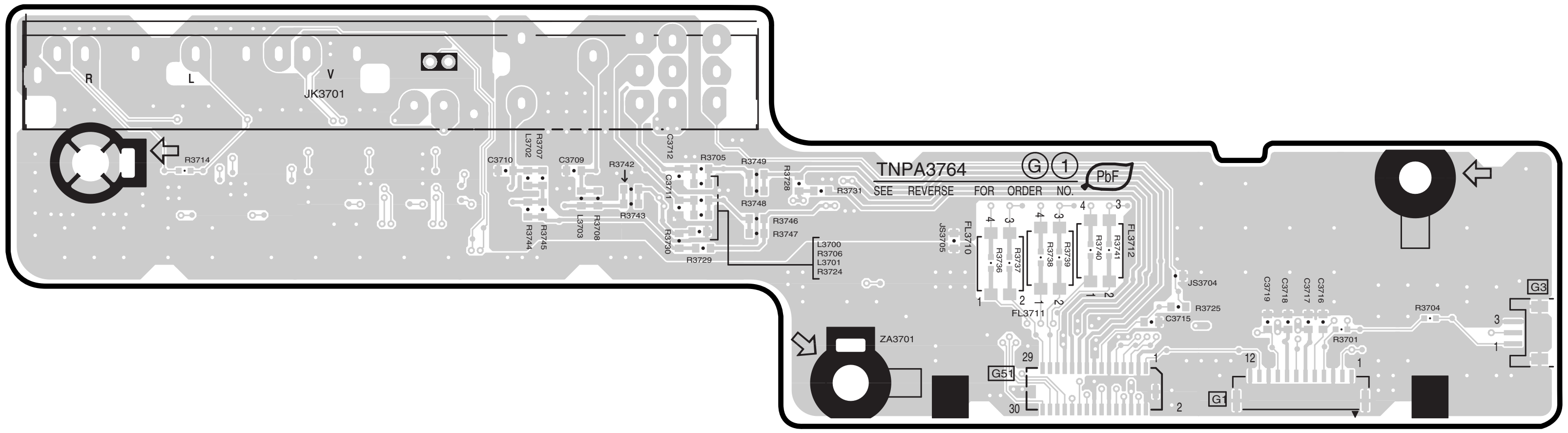


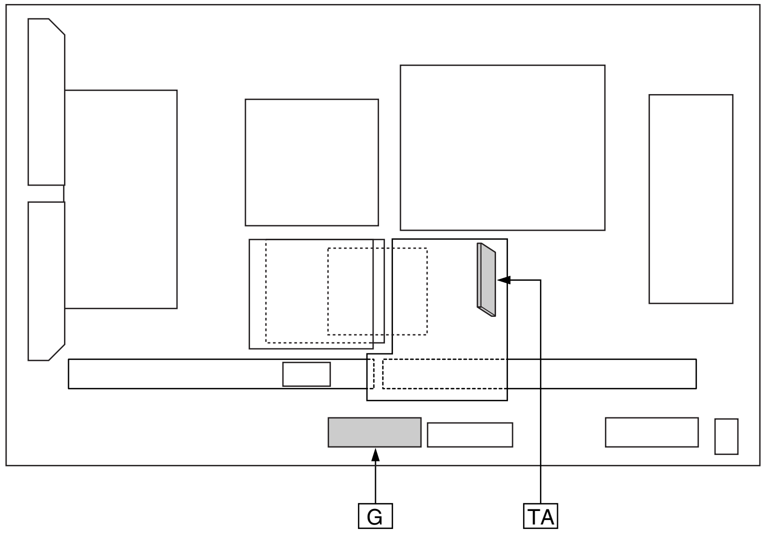
Parts Location

DG-BOARD (FOIL SIDE)					
IC		Q4045	C-2	**TP**	
IC1101	E-3	Q4053	A-3	TP1101	F-3
IC1104	F-2	Q4055	A-3	TP1102	F-3
IC1110	F-2	Q4060	E-2	TP1103	F-2
IC4016	B-3	Q4061	D-2	TP1104	F-2
IC4017	B-2	Q4065	A-2	TP1105	F-2
IC4018	B-4	Q4066	A-2	TP1106	F-2
IC4024	B-2	Q4067	B-2	TP1107	F-2
IC4029	C-4	Q4068	B-2	TP1113	C-5
IC4030	C-3	Q4069	B-1	TP1114	B-5
TRANSISTOR		Q4070	B-1	TP1115	D-5
Q1100	E-3	Q4071	A-2	TP1116	D-5
Q1101	E-3	Q4073	B-3	TP1117	C-5
Q1102	E-3	Q4074	B-2	TP1118	D-5
Q1103	E-3	Q4075	B-3	TP1119	D-5
Q1106	E-1	Q4076	B-3	TP1120	F-3
Q1107	E-2	Q4077	B-1	TP4028	B-4
Q1111	F-2	Q4078	A-3	TP4029	B-3
Q1112	F-2	Q4079	B-3	TP4030	B-3
Q1117	D-3	Q4082	B-2	TP4031	A-2
Q1118	D-3	Q4083	B-2	TP4032	A-4
Q1120	E-3	Q4084	B-1	TP4033	A-3
Q1122	D-2	Q4918	E-2	TP4034	A-1
Q1125	E-3	Q4919	E-2	TP4035	B-1
Q1134	E-2			TP4036	B-1
Q1135	E-2			TP4037	D-4
Q1137	F-2			TP4038	B-5
Q1138	D-2			TP4039	B-5
Q1139	E-3			TP4040	B-5
Q1140	F-2			TP4041	C-4
Q1141	F-2			TP4064	B-1
				TP4065	B-1
				TP4066	B-2

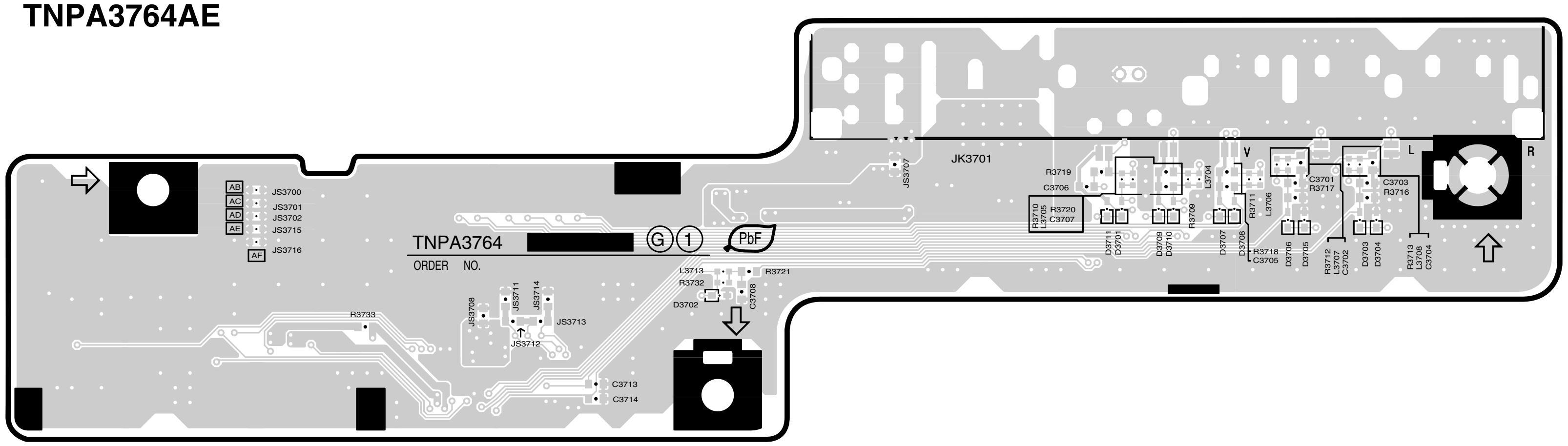
A B C D E F G H I

G-BOARD (FOIL SIDE)
TNPA3764AE

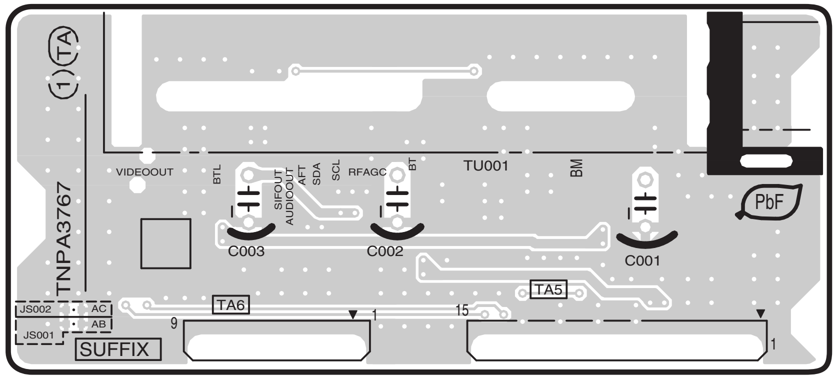

JK3701
TNPA3764
SEE REVERSE FOR ORDER NO.
PbF
ZA3701
FL3710
FL3711
FL3712
G51
G1
G3



G-BOARD (COMPONENT SIDE)
TNPA3764AE


JK3701
TNPA3764
ORDER NO.
PbF
JS3700
JS3701
JS3702
JS3715
JS3716

TA-BOARD (FOIL SIDE)
TNPA3767 (PV60E)
TNPA3767AB (PX60B)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TNPA3767
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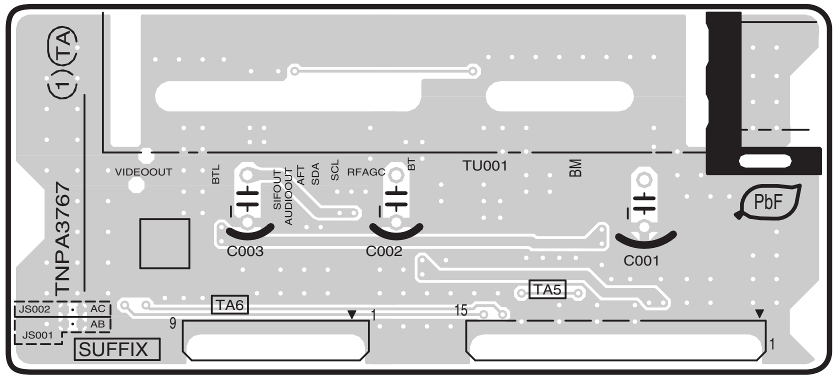
BTL
SIFOUT
AUDIOOUT
AFT
SDA
SCL
RFAGC
BT
TU001
BM
PbF
C003
C002
C001
TA6
TA5
JS002
JS001
AC
AB
SUFFIX

TA-BOARD (COMPONENT SIDE)
TNPA3767 (PV60E)
TNPA3767AB (PX60B)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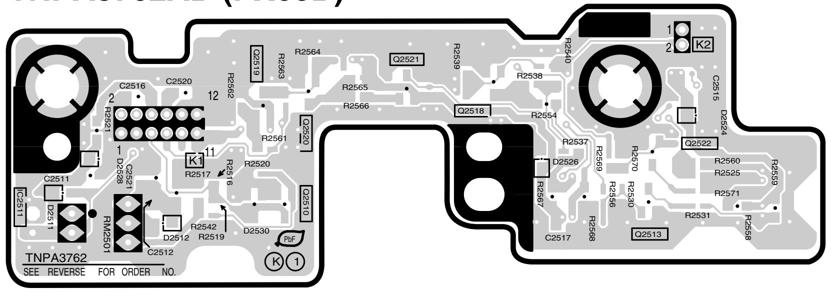
TNPA3767
VIDEOOUT
BTL
SIFOUT
AUDIOOUT
AFT
SDA
SCL
RFAGC
BT
TU001
BM
PbF
C003
C002
C001
TA6
TA5
JS002
JS001
AC
AB
SUFFIX

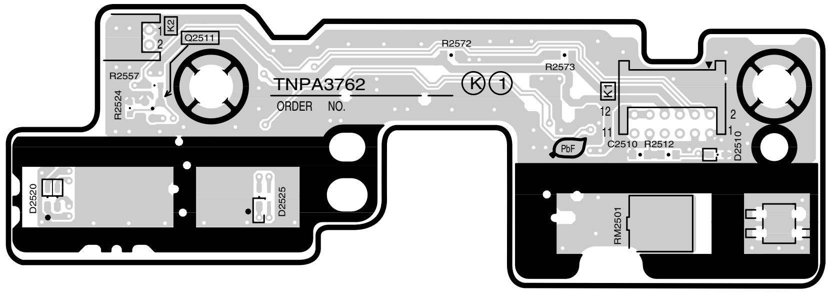
6

K-BOARD (FOIL SIDE)
TNPA3762AC (PV60E)
TNPA3762AD (PX60B)

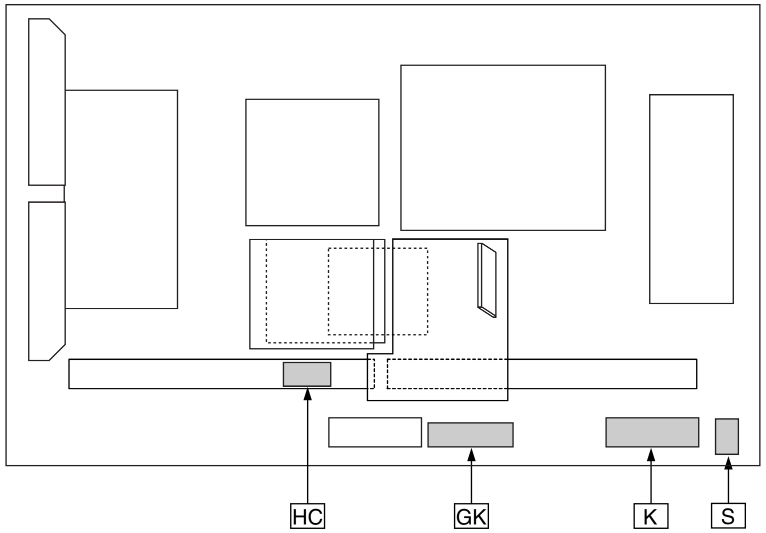

TNPA3762
SEE REVERSE FOR ORDER NO.
K1
K2
K 1
PbF
C2516
C2520
C2511
C2512
C2517
C2515
C2521
R2517
R2516
R2520
R2561
R2562
R2563
R2564
R2565
R2566
R2538
R2539
R2540
R2554
R2537
R2542
R2519
R2560
R2525
R2571
R2531
R2559
R2558
R2556
R2567
R2568
R2569
R2570
R2530
Q2518
Q2519
Q2520
Q2510
Q2521
Q2522
Q2513
D2511
D2512
D2526
D2528
D2530
D2524
RM2501

5

K-BOARD (COMPONENT SIDE)
TNPA3762AC (PV60E)
TNPA3762AD (PX60B)

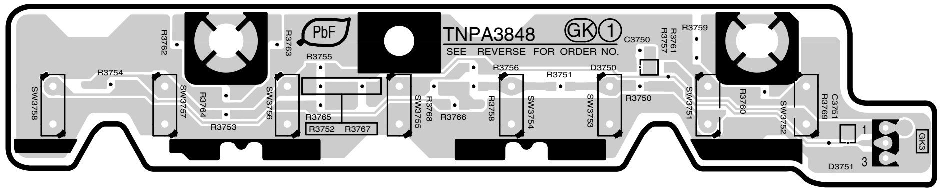

TNPA3762
ORDER NO.
K 1
PbF
K1
K2
Q2511
R2557
R2524
R2572
R2573
C2510
R2512
D2510
D2520
D2525
RM2501

4

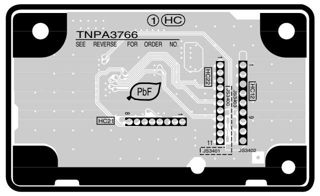


3

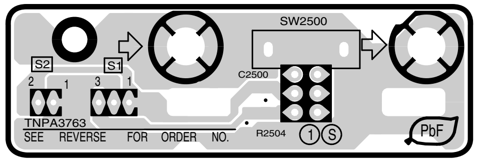
GK-BOARD (FOIL SIDE)
TNPA3848AD


TNPA3848
GK 1
SEE REVERSE FOR ORDER NO.
PbF
GK3
SW3758
SW3757
SW3756
SW3755
SW3754
SW3753
SW3751
SW3752
R3754
R3753
R3762
R3763
R3764
R3755
R3765
R3752
R3767
R3768
R3766
R3756
R3751
R3750
R3758
R3757
R3759
R3761
R3760
R3769
C3750
C3751
D3750
D3751

HC-BOARD (FOIL SIDE)
TNPA3766

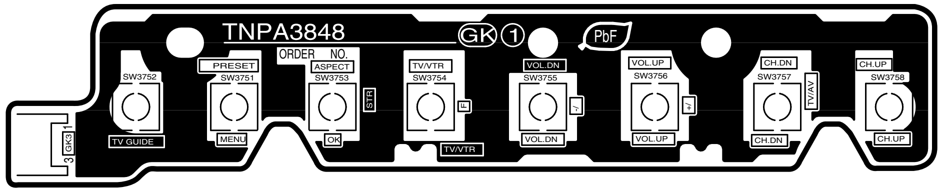

1 HC
TNPA3766
SEE REVERSE FOR ORDER NO.
PbF

S-BOARD (FOIL SIDE)
TNPA3763AC

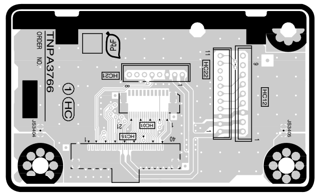

SW2500
S2
S1
C2500
TNPA3763
SEE REVERSE FOR ORDER NO.
R2504
1 S
PbF

2

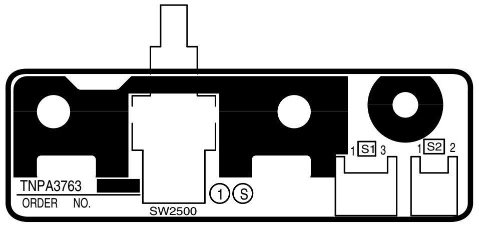
GK-BOARD (COMPONENT SIDE)
TNPA3848AD


TNPA3848
GK 1
PbF
ORDER NO.
SW3752
TV GUIDE
PRESET
SW3751
MENU
ASPECT
SW3753
OK
TV/VTR
SW3754
VOL.DN
SW3755
VOL.UP
SW3756
CH.DN
SW3757
AV/VA
CH.UP
SW3758
GK3

HC-BOARD (COMPONENT SIDE)
TNPA3766


TNPA3766
ORDER NO.
1 HC
PbF

S-BOARD (COMPONENT SIDE)
TNPA3763AC


TNPA3763
ORDER NO.
SW2500
1 S
S1
S2

1

TH-37/42PV60E, TH-37/42PX60B
GK-BOARD TNPA3848AD
HC-BOARD TNPA3766
S-BOARD TNPA3763AC

TH-37/42PV60E
K-BOARD TNPA3762AC

TH-37/42PX60B
K-BOARD TNPA3762AD

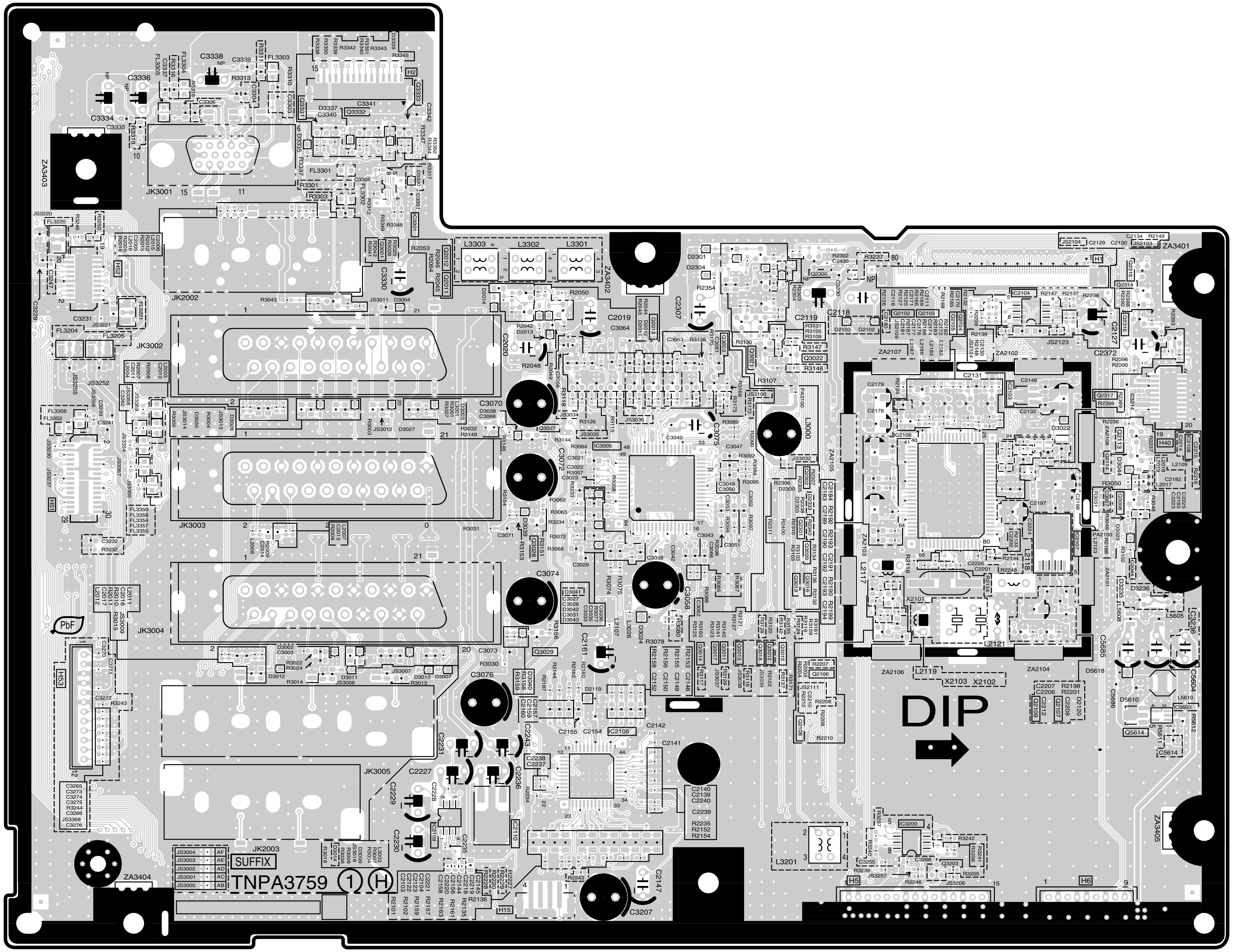
TH-37/42PV60E, TH-37/42PX60B
GK-BOARD TNPA3848AD
HC-BOARD TNPA3766
S-BOARD TNPA3763AC

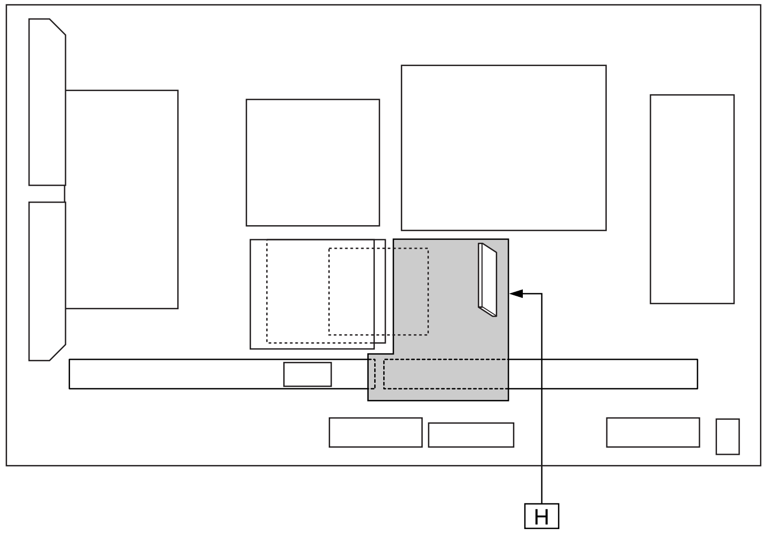
TH-37/42PV60E
K-BOARD TNPA3762AC

TH-37/42PX60B
K-BOARD TNPA3762AD

A B C D E F G H I

H-BOARD (COMPONENT SIDE)
TNPA3759AB


ZA3403
JK3001
JK2002
JK3002
JK3003
JK3004
JK3005
JK2003
ZA3404
ZA3402
ZA3401
ZA3405
L3303
L3302
L3301
L3000
L3201
IC3005
IC2105
IC3200
H2
H5
H6
H15
PbF
SUFFIX
TNPA3759 ① Ⓗ
DIP



Parts Location

H-BOARD (COMPONENT SIDE)			
IC		Q2316	F-4
IC2103	F-4	Q2317	F-4
IC2104	F-4	Q3001	C-5
IC2105	D-2	Q3008	F-3
IC2106	E-4	Q3011	D-3
IC2107	F-3	Q3012	E-3
IC2108	G-4	Q3013	D-3
IC2109	C-2	Q3014	D-3
IC2110	C-2	Q3015	E-3
IC3005	D-4	Q3016	E-3
IC3200	E-2	Q3017	D-3
IC3301	C-5	Q3018	E-3
IC5603	G-2	Q3019	E-3
TRANSISTOR		Q3020	E-3
Q2011	C-4	Q3021	D-4
Q2012	C-5	Q3022	E-4
Q2013	C-4	Q3023	D-4
Q2113	F-4	Q3027	C-4
Q2114	F-4	Q3028	C-3
Q2300	E-4	Q3029	C-3
Q2301	E-3	Q3331	B-5
Q2302	E-3	Q3332	B-5
Q2314	F-4	Q3333	C-5
Q2315	F-5	Q5614	F-2

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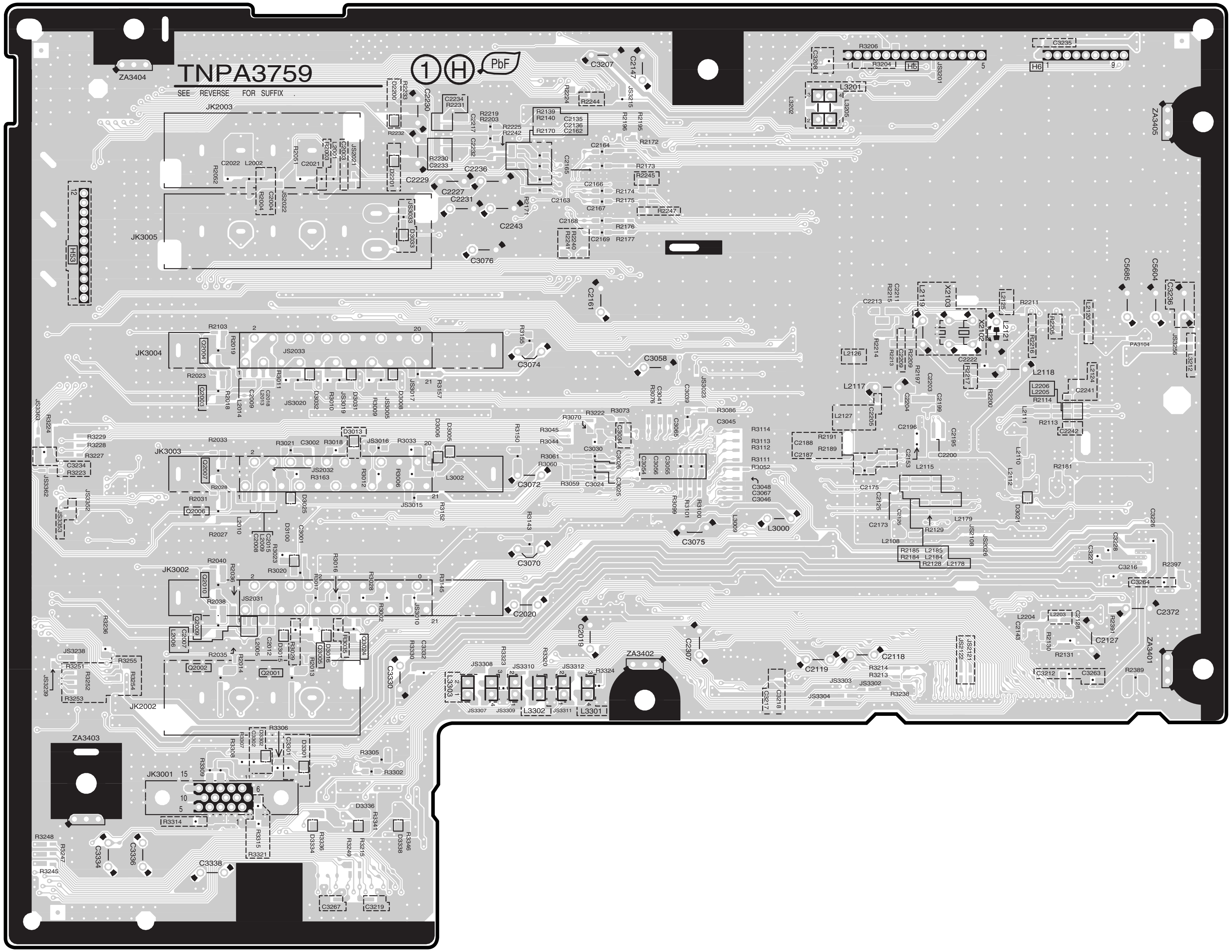
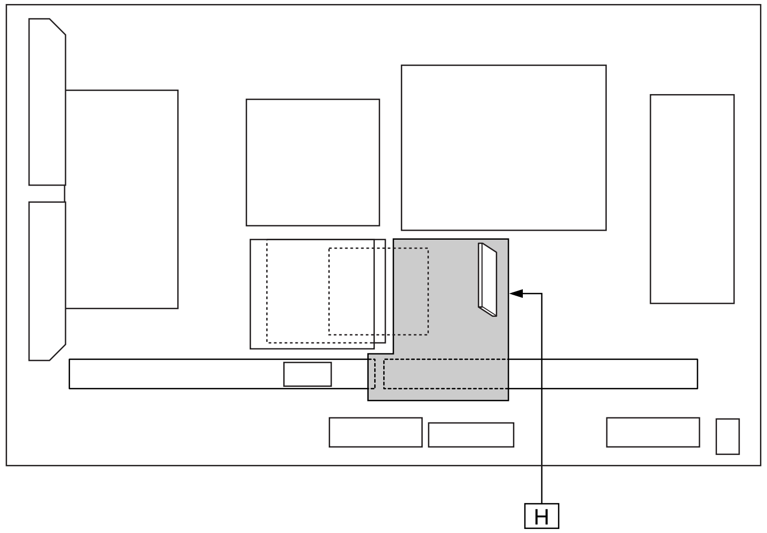
A B C D E F G H I

H-BOARD (FOIL SIDE)
TNPA3759AB


TNPA3759
SEE REVERSE FOR SUFFIX
① Ⓗ PbF
ZA3404
ZA3403
ZA3402
ZA3401
ZA3405
JK2003
JK3005
JK3004
JK3003
JK3002
JK2002
JK3001
H53
H5
H6
L3201
L3000
L3001
L3301
L3302
L3303
L2118
L2117
C3207
C2147
C3076
C2243
C2229
C2236
C2227
C2231
C2161
C3058
C3074
C3072
C3070
C3075
C2020
C2019
C2907
C3330
C2119
C2118
C2127
C2372
C3338
C3334
C3336
C5685
C5604
C2236
PA3104

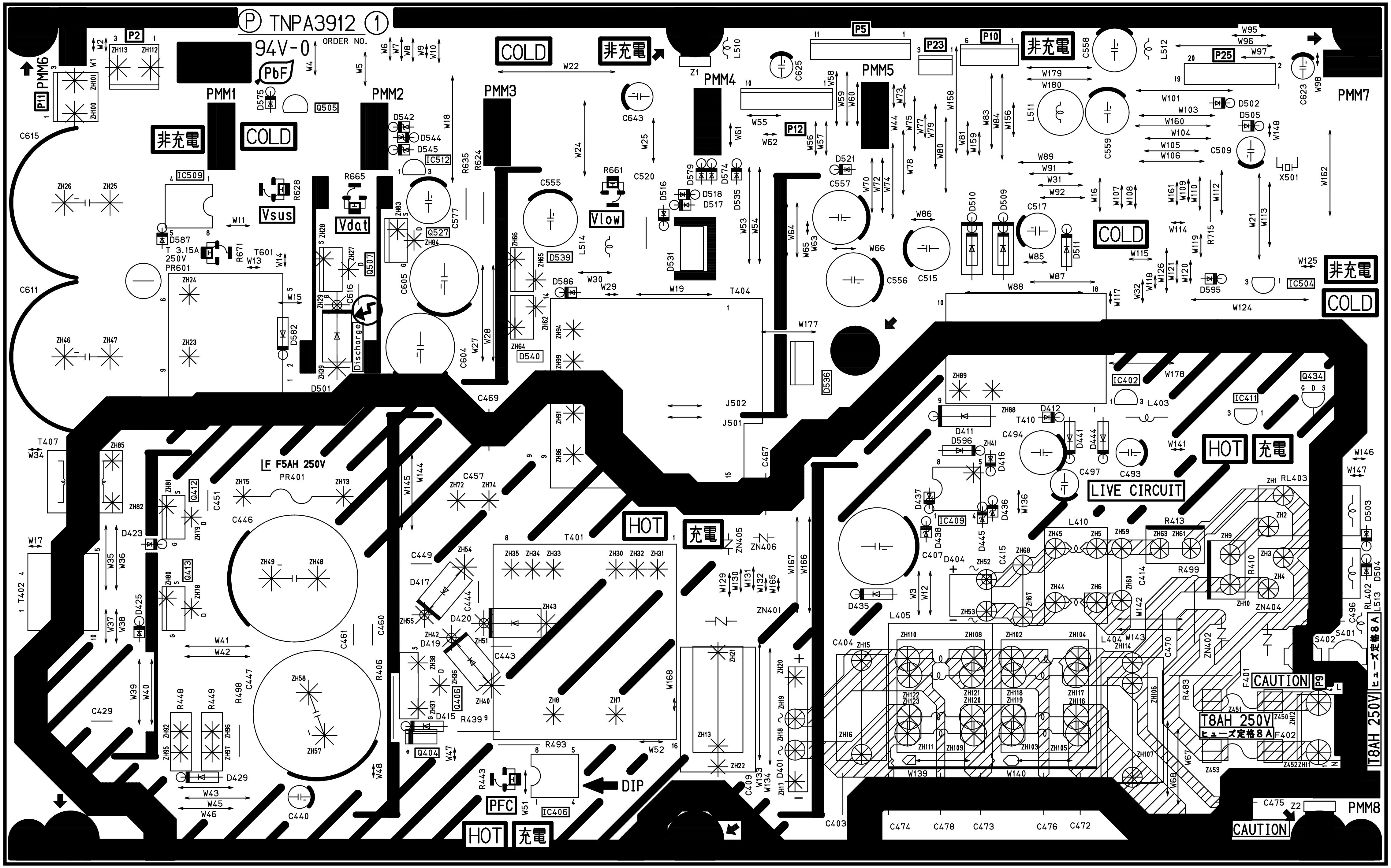


Parts Location

H-BOARD (FOIL SIDE)			
TRANSISTOR		Q2103	E-4
Q2001	B-2	Q2104	E-4
Q2002	B-2	Q2105	E-4
Q2003	B-4	Q2106	E-2
Q2004	B-4	Q2107	F-2
Q2006	B-3	Q2108	E-2
Q2007	B-3	Q2109	F-2
Q2009	B-3	Q3005	B-3
Q2010	B-3	Q3024	C-3
Q2102	E-4	Q3203	E-2

TH-37/42PV60E, TH-37/42PX60B
H-BOARD TNPA3759AB

P-BOARD (COMPONENT SIDE)
TNPA3912



P TNPA3912 1
94V-0
ORDER NO.
PbF
P2
P5
P23
P10
P25
P11
P12
P9
PMM1
PMM2
PMM3
PMM4
PMM5
PMM6
PMM7
PMM8
COLD
非充電
HOT
充電
LIVE CIRCUIT
CAUTION
T8AH 250V
ヒューズ定格８Ａ
F5AH 250V
T 3.15A 250V
PR601
PR401
Vsus
Vdat
Vlow
PFC
DIP
Discharge
IC509
IC512
IC402
IC411
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IC406
IC504
Q505
Q527
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J502
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RL403
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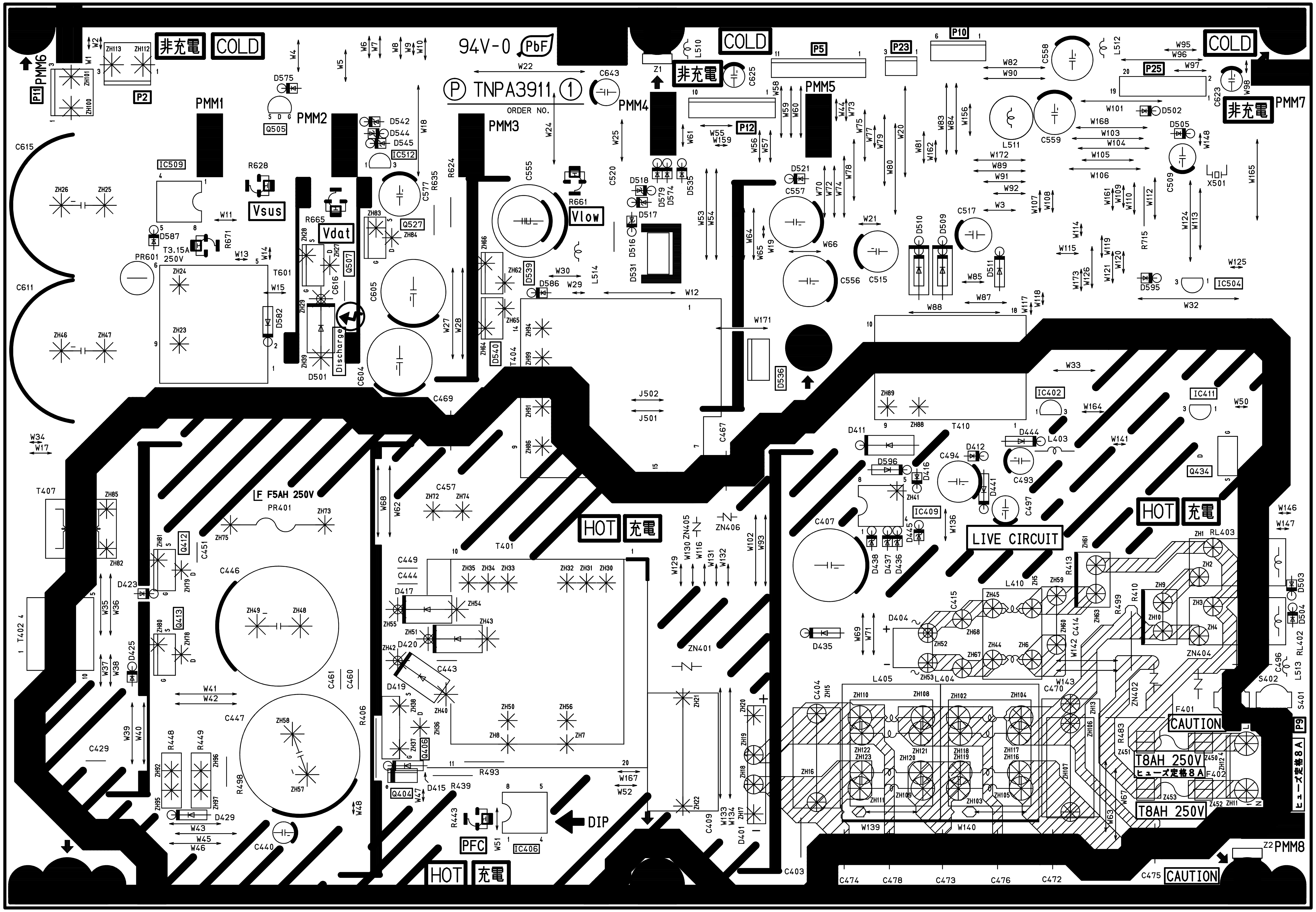
P-BOARD (COMPONENT SIDE)
TNPA3911


94V-0
PbF
TNPA3911 ①
ORDER NO.
非充電
COLD
HOT
充電
LIVE CIRCUIT
CAUTION
T8AH 250V
ヒューズ定格８Ａ
F5AH 250V
T3.15A 250V
PMM1
PMM2
PMM3
PMM4
PMM5
PMM6
PMM7
PMM8
P2
P5
P9
P10
P11
P12
P23
P25
Vsus
Vdat
Vlow
Discharge
PFC
DIP
T401
T402
T404
T407
T410
T601
J501
J502
IC402
IC406
IC409
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IC504
IC509
IC512
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Q527
C407
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F401
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PR401
PR601
R406
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R624
R661
R665
R671
R715
RL402
RL403
S401
S402
X501
Z1
Z2
ZN401
ZN402
ZN404
ZN405
ZN406
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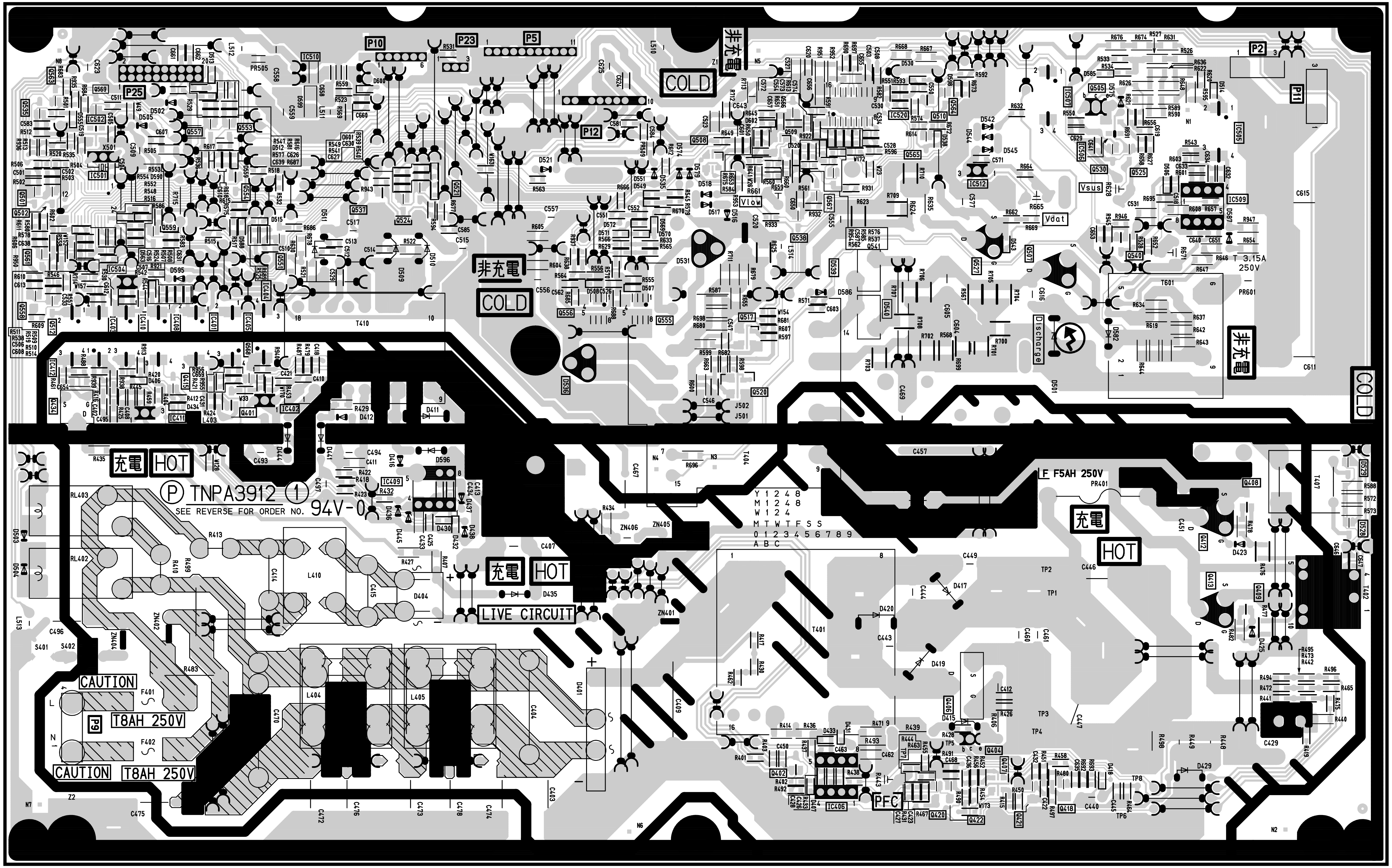
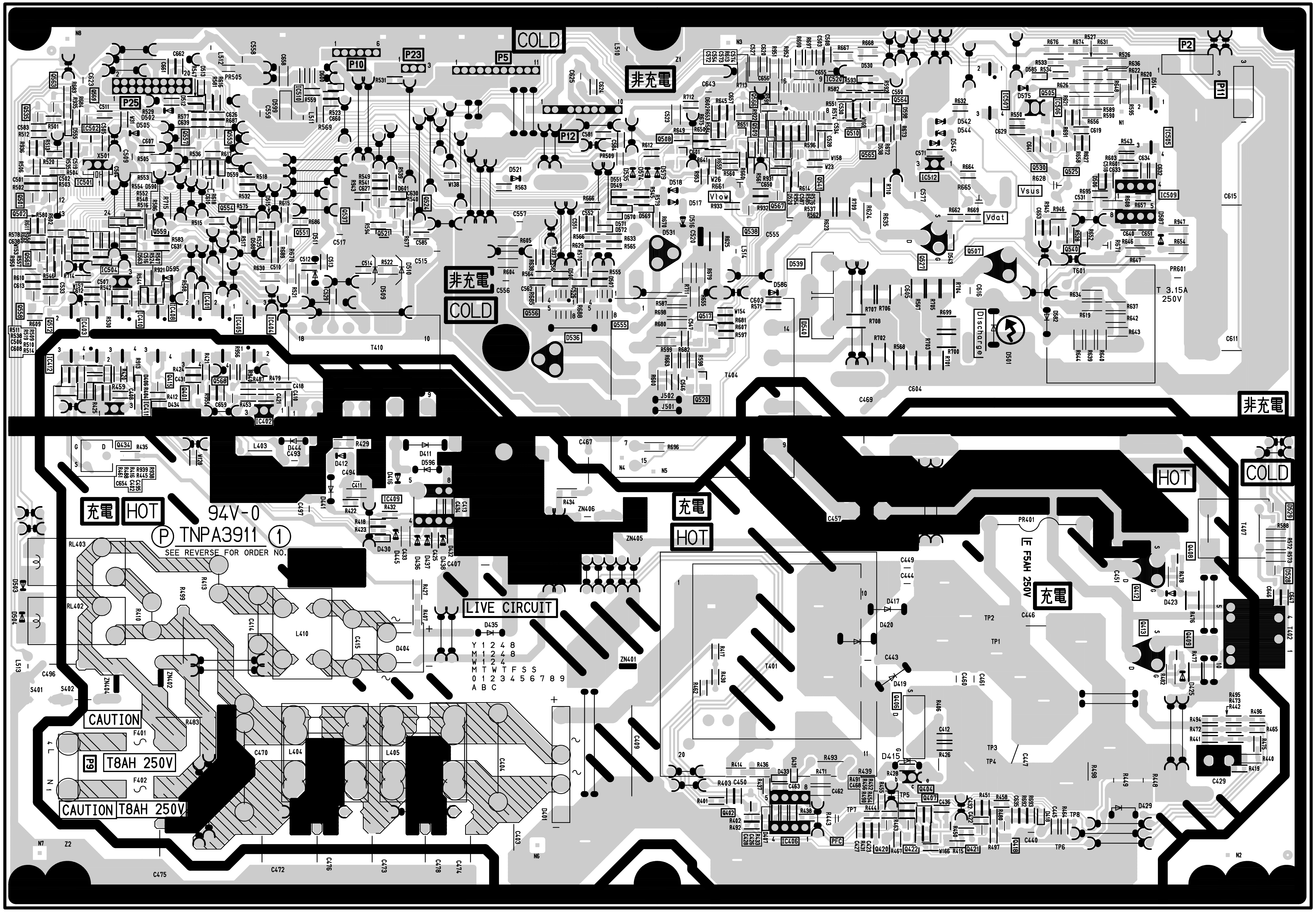
P-BOARD (FOIL SIDE)
TNPA3912



COLD
非充電
充電
HOT
P TNPA3912 1
SEE REVERSE FOR ORDER NO.
94V-0
LIVE CIRCUIT
CAUTION
T8AH 250V
F5AH 250V
T 3.15A 250V
Discharge
Vlow
Vdat
Vsus
PFC
P9
P10
P23
P5
P25
P12
P2
P11
T401
T402
T407
T410
T601
L404
L405
L410

TH-37PV60E, TH-37PX60B
P-BOARD TNPA3912

P-BOARD (FOIL SIDE)
TNPA3911


COLD
非充電
HOT
充電
94V-0
Ⓟ TNPA3911 ①
SEE REVERSE FOR ORDER NO.
LIVE CIRCUIT
CAUTION
T8AH 250V
F401
F402
P9
F5AH 250V
T 3.15A 250V
PR601
PR401
Discharge
Vsus
Vdat
Vlow
P2
P5
P10
P11
P12
P23
P25
T401
T402
T404
T407
T410
T601
L403
L404
L405
L410
RL402
RL403
ZN401
ZN405
ZN406
Y 1 2 4 8
M 1 2 4 8
M T W T F S S
0 1 2 3 4 5 6 7 8 9
A B C
6
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4
3
2
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B
C
D
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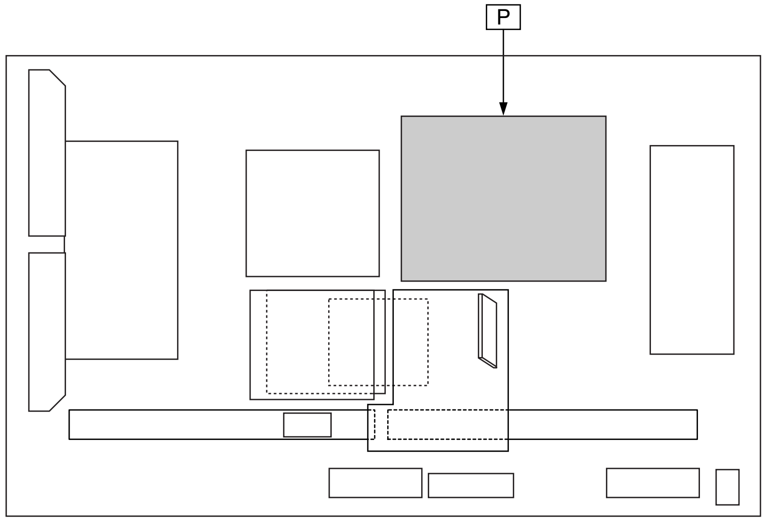


Parts Location

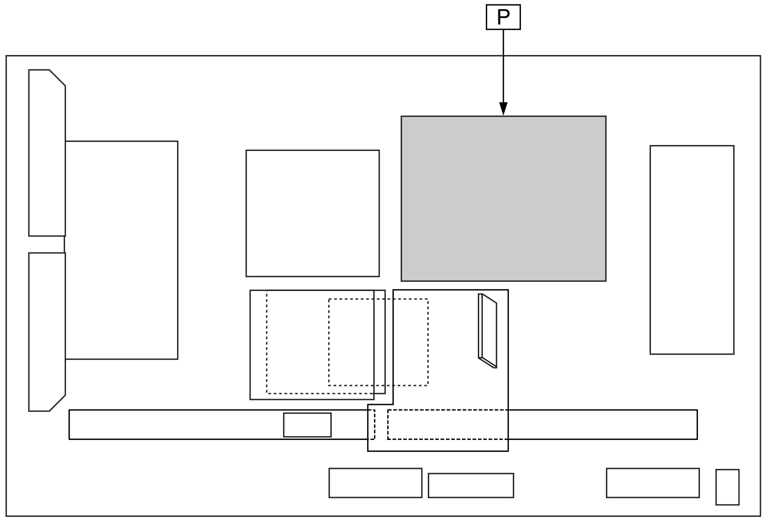
P-BOARD (FOIL SIDE)

IC		TRANSISTOR			
				Q534	A-4
				Q535	A-5
IC401	B-4	Q401	B-4	Q537	C-5
IC402	C-4	Q402	E-2	Q538	E-4
IC403	B-4	Q404	F-1	Q540	G-4
IC404	C-4	Q406	F-2	Q541	F-5
IC405	B-4	Q407	F-1	Q551	C-4
IC406	F-1	Q408	H-3	Q553	B-5
IC408	B-4	Q409	H-3	Q554	B-5
IC409	C-3	Q412	H-3	Q555	E-4
IC410	B-4	Q413	H-3	Q556	D-4
IC411	B-4	Q415	B-4	Q557	B-5
IC412	A-4	Q418	G-1	Q558	A-4
IC501	B-5	Q420	F-1	Q559	B-5
IC502	B-5	Q421	G-1	Q561	A-4
IC504	B-4	Q422	F-1	Q563	A-5
IC505	H-5	Q434	A-4	Q564	F-5
IC506	G-5	Q501	A-5	Q565	F-5
IC507	G-5	Q502	A-5	Q566	E-5
IC509	H-5	Q505	G-5	Q567	F-5
IC510	C-5	Q507	G-4	Q568	B-4
IC512	F-5	Q508	E-5	Q569	B-5
IC520	F-5	Q509	E-5		
		Q510	F-5	**VOLUME**	
		Q512	A-4		
		Q517	E-4	R443	F-2
		Q520	E-4	R628	G-5
		Q521	D-5	R661	E-5
		Q524	C-5	R665	G-5
		Q525	G-5	R671	G-4
		Q527	F-4		
		Q530	G-5		

Parts Location

P-BOARD (COMPONENT SIDE)

IC		TRANSITOR		VOLUME	
IC402	G-4	Q404	C-2	R443	D-2
IC406	D-1	Q406	D-2	R628	C-5
IC409	F-3	Q412	B-3	R661	D-5
IC411	H-4	Q413	B-3	R665	C-5
IC504	H-4	Q434	H-4	R671	B-4
IC509	B-5	Q505	C-5		
IC512	C-5	Q507	C-4		
		Q527	C-5		



Parts Location

P-BOARD (FOIL SIDE)					
IC		**TRANSISTOR**		Q534	B-4
IC401	B-4	Q401	B-4	Q535	A-5
IC402	C-4	Q402	E-1	Q537	C-5
IC403	B-4	Q404	F-1	Q538	E-5
IC404	C-4	Q406	F-2	Q540	G-5
IC405	C-4	Q407	F-1	Q541	F-5
IC406	F-1	Q408	H-3	Q551	C-5
IC408	B-4	Q409	H-2	Q553	B-5
IC409	C-3	Q412	H-3	Q554	B-5
IC410	B-4	Q413	H-2	Q555	E-4
IC411	B-4	Q415	B-4	Q556	D-4
IC412	A-4	Q418	G-1	Q557	B-5
IC501	B-5	Q420	F-1	Q558	A-4
IC502	B-5	Q421	G-1	Q559	B-5
IC504	B-4	Q422	F-1	Q561	A-5
IC505	H-5	Q434	B-4	Q563	A-6
IC506	G-5	Q501	A-5	Q564	F-6
IC507	G-6	Q502	A-5	Q565	F-5
IC509	H-5	Q505	G-6	Q566	E-6
IC510	C-6	Q507	G-5	Q567	F-5
IC512	F-5	Q508	E-5	Q568	B-4
IC520	F-6	Q509	E-5	Q569	B-6
		Q510	F-5	**VOLUME**	
		Q512	A-4	R443	F-1
		Q517	E-4	R628	G-5
		Q520	E-4	R661	E-5
		Q521	C-5	R665	G-5
		Q524	D-5	R671	G-4
		Q525	G-5		
		Q527	F-5		
		Q530	G-5		

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		**TRANSITOR**		**VOLUME**	
IC402	G-4	Q404	C-2	R443	D-1
IC406	D-1	Q406	D-2	R628	C-5
IC409	F-3	Q412	B-3	R661	D-5
IC411	H-4	Q413	B-2	R665	C-5
IC504	H-4	Q434	H-3	R671	B-5
IC509	B-5	Q505	C-5		
IC512	C-5	Q507	C-5		
		Q527	C-5		

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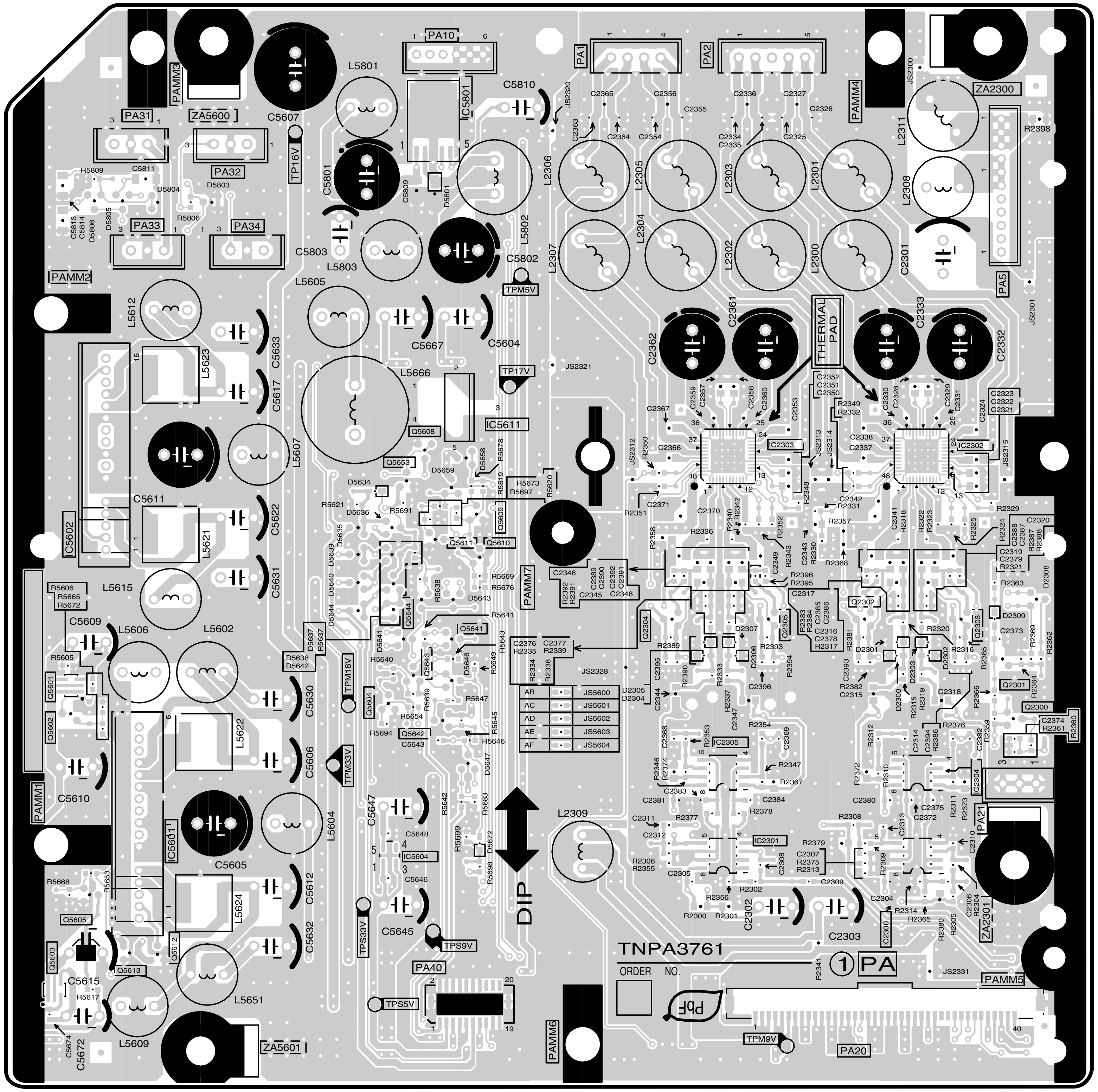
1

PA-BOARD (COMPONENT SIDE)
TNPA3761AC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PA2
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ZA2300
L5801
C5801
C5810
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PA31
ZA5600
PA32
TP16V
PA33
PA34
C5803
L5803
L5802
C5802
TPM5V
PAMM2
L5605
L5612
C5667
C5604
L5623
C5633
L5666
C5617
TP17V
Q5608
IC5611
L5607
C5611
C5622
L5621
C5602
Q5653
Q5610
Q5611
PAMM7
L5615
C5631
C5609
L5606
L5602
Q5601
Q5602
C5630
TPM18V
Q5604
Q5641
Q5642
Q5643
JS2328
JS5600
JS5601
JS5602
JS5603
JS5604
AB
AC
AD
AE
AF
L5622
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C5610
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TPS5V
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Q5605
Q5603
Q5613
Q5612
C5615
L5651
L5609
ZA5600
PAMM6
DIP
L2309
L2306
L2305
L2303
L2301
L2311
L2308
L2307
L2304
L2302
L2300
C2301
PA5
C2362
C2361
C2333
C2332
THERMAL PAD
IC2303
IC2302
Q2302
Q2303
Q2304
Q2305
Q2301
Q2300
IC2305
IC2304
IC2301
PA21
C2302
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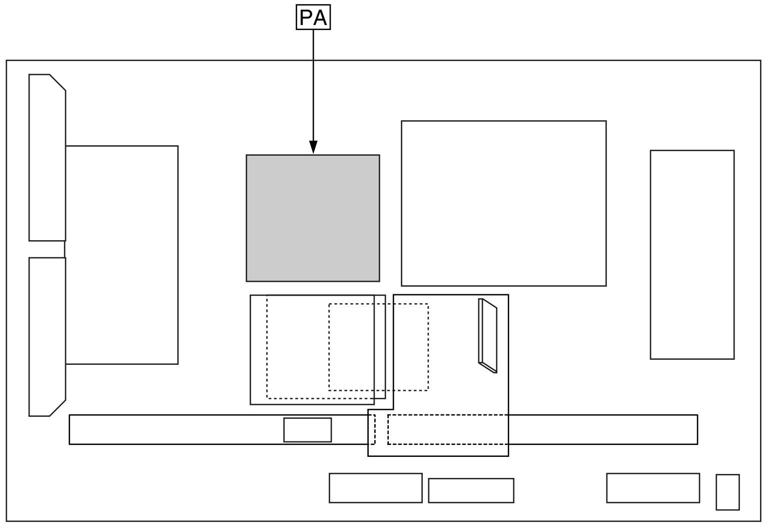
ORDER NO.
① PA
PbF
PAMM5
JS2331
TPM9V
PA20
R2341

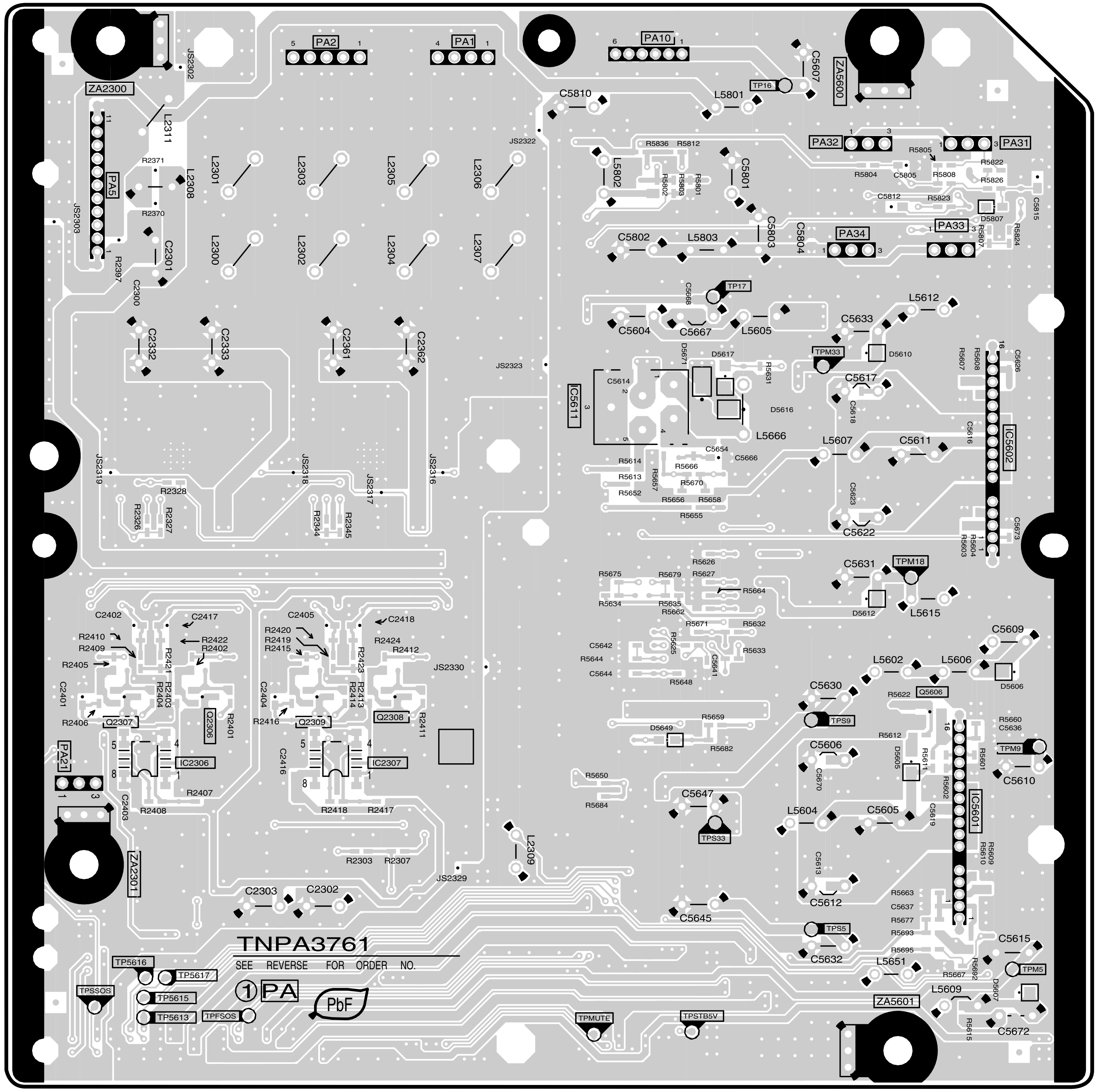


Parts Location

PA-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC2300	E-2	Q2300	F-3
IC2301	D-2	Q2301	F-3
IC2302	E-4	Q2303	E-3
IC2303	E-4	Q2304	D-3
IC2304	E-2	Q2305	E-3
IC2305	D-3	Q5601	A-3
IC5601	B-2	Q5602	A-3
IC5602	A-3	Q5603	A-1
IC5604	C-2	Q5604	C-3
IC5611	C-4	Q5605	A-2
IC5801	C-5	Q5608	C-4
		Q5609	C-4
		Q5610	C-3
		Q5612	B-1
		Q5613	A-1
		Q5641	C-3
		Q5642	C-3
		Q5643	C-3
		Q5644	C-3
		Q5653	C-4

A B C D E F G H I

PA-BOARD (FOIL SIDE)
TNPA3761AC



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L2308
R2370
JS2303
R2397
C2301
C2300
L2301
L2303
L2305
L2306
L2300
L2302
L2304
L2307
PA2
PA1
PA10
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L5801
TP16
C5607
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JS2322
R5836
R5812
L5802
C5801
PA32
PA31
R5805
R5804
C5805
R5808
R5822
R5826
C5812
R5823
D5807
C5815
C5802
L5803
C5803
C5804
PA34
PA33
R5807
R5824
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L5612
C5604
C5667
L5605
C5633
C2332
C2333
C2361
C2362
JS2323
D5671
D5617
TPM33
D5610
R5607
R5608
C5626
C5614
IC5611
R5631
C5617
D5616
C5618
L5666
IC5602
C5616
L5607
C5611
C5654
C5666
R5614
R5666
R5613
R5657
R5670
R5652
R5656
R5658
R5655
JS2319
JS2318
JS2317
JS2316
R2328
R2326
R2327
R2344
R2345
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C5622
C5673
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R5603
R5626
R5675
R5679
R5627
C5631
TPM18
R5664
R5634
R5635
R5662
D5612
L5615
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C2417
C2405
C2418
R2410
R2409
R2405
R2422
R2402
R2420
R2419
R2415
R2424
R2412
R5671
R5632
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C5642
R5625
R5633
R5644
C5644
C5641
R5648
JS2330
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L5606
D5606
C2401
R2421
R2404
R2403
C2404
R2423
R2414
R2413
C5630
R5622
Q5606
R2406
Q2307
Q2306
R2401
R2416
Q2309
Q2308
R2411
R5659
TPS9
R5660
C5636
D5649
R5612
R5682
C5606
D5605
R5611
R5601
TPM9
PA21
IC2306
IC2307
C2416
R2407
C5610
R5650
C5670
R5602
IC5601
R5684
C5647
C2403
R2408
R2418
R2417
L5604
C5605
C5619
TPS33
L2309
ZA2301
R2303
R2307
R5609
R5610
JS2329
C5613
C2303
C2302
C5612
R5663
C5637
C5645
R5677
TPS5
R5693
TNPA3761
SEE REVERSE FOR ORDER NO.
C5615
R5695
C5632
L5651
TP5616
TP5617
TPM5
R5667
R5692
TPSSOS
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①PA
PbF
L5609
D5607
TP5613
TPFSOS
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TPSTB5V
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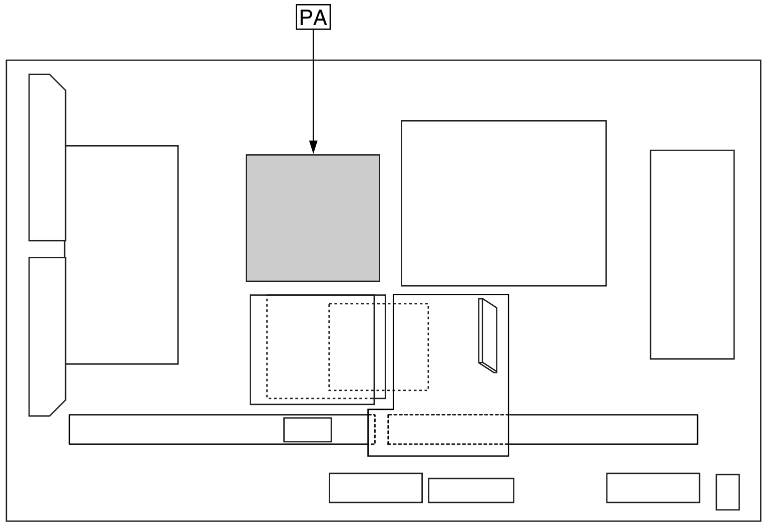

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4

3

2

1

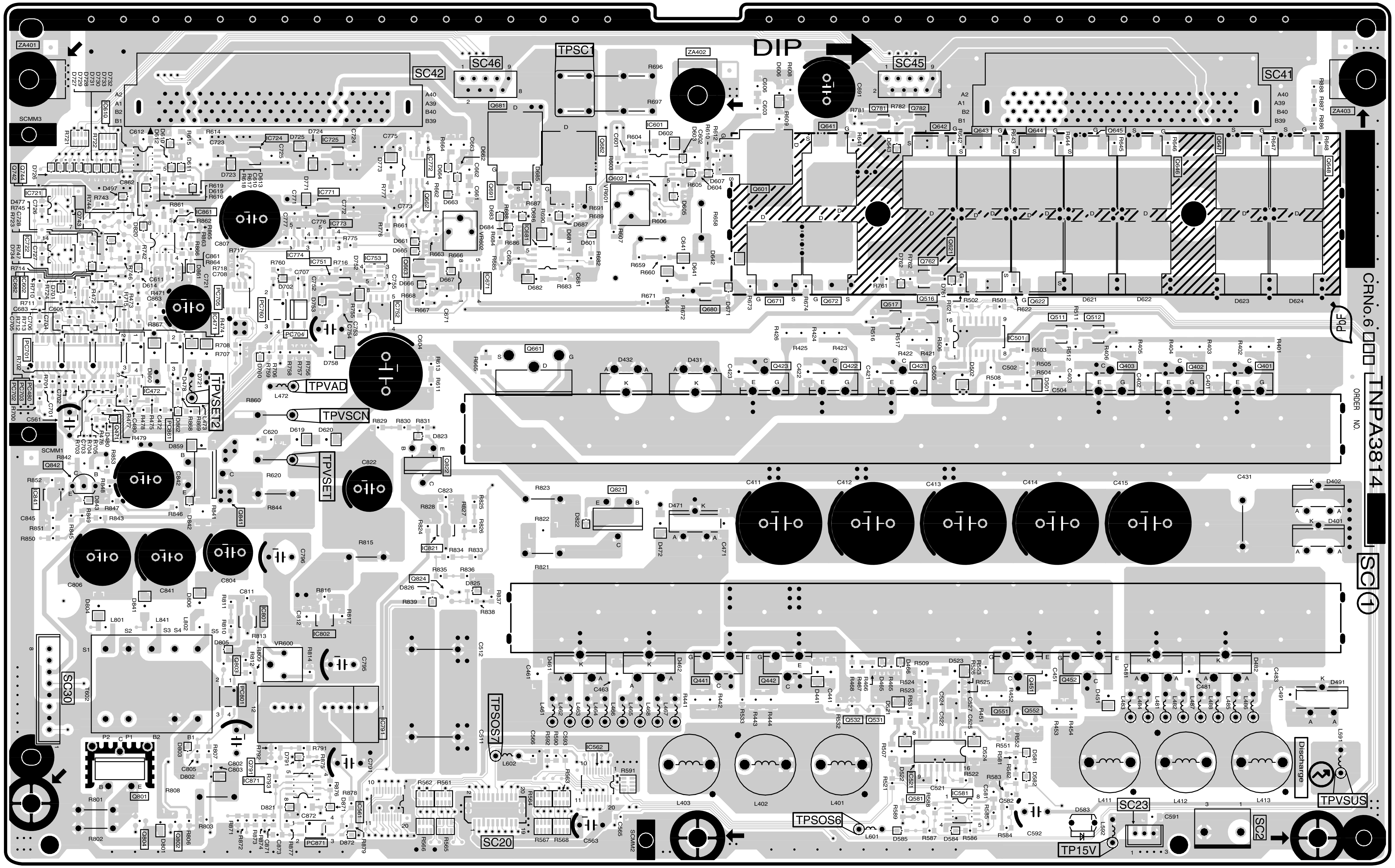
Parts Location

PA-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC2306	B-2	Q2306	B-3
IC2307	C-2	Q2307	A-2
IC5601	E-2	Q2308	C-3
IC5602	F-4	Q2309	B-3
IC5611	D-4	Q5606	E-3

TH-37/42PV60E, TH-37/42PX60B
PA-BOARD TNPA3761AC

A B C D E F G H I

SC-BOARD (COMPONENT SIDE)
TNPA3814AE (37inch)
TNPA3814AB (42inch)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SC46
SC45
SC41
ZA401
ZA402
ZA403
SCMM3
SCMM1
TPVAD
TPVSCN
TPVSET
TPVSET2
TPSOS7
TPSOS6
SC30
SC20
SC23
SC2
TP15V
TPVSUS
Discharge
CRNo.6
TNPA3814
ORDER NO.
SC①
C411
C412
C413
C414
C415
L401
L402
L403
L411
L412
L413
T802
VR600

6

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4

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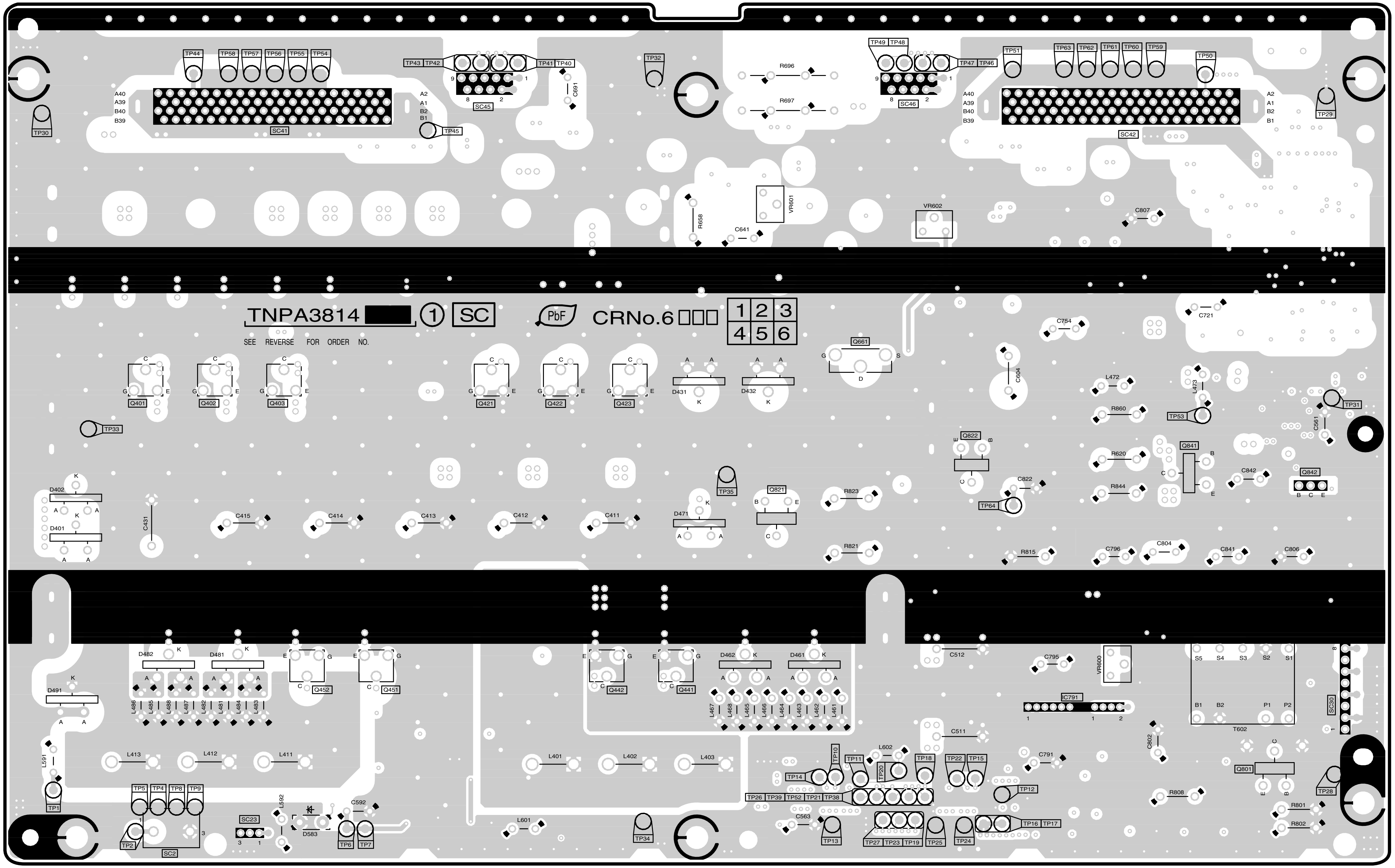
1

SC-BOARD (FOIL SIDE)
TNPA3814AE (37inch)
TNPA3814AB(42inch)



TNPA3814 ① SC
PbF
CRNo.6
1 2 3
4 5 6
SEE REVERSE FOR ORDER NO.
TP44 TP58 TP57 TP56 TP55 TP54
TP43 TP42 TP41 TP40 TP45 TP32 TP30
TP49 TP48 TP47 TP46 TP51 TP63 TP62 TP61 TP60 TP59 TP50 TP29
SC41 SC45 SC46 SC42
A40 A39 B40 B39 A2 A1 B2 B1
R696 R697 C691 R658 C641 VR601 VR602 C807 C721 C754
Q401 Q402 Q403 Q421 Q422 Q423 D431 D432 Q661
C604 L472 L473 R860 TP53 TP31 C561 Q822 R620 Q841 C842 Q842 R844 C822 TP64
TP33 D402 D401 C431 C415 C414 C413 C412 C411 TP35 D471 Q821 R823 R821 R815 C796 C804 C841 C806
D482 D481 Q452 Q451 Q442 Q441 D462 D461 D491
L486 L485 L488 L487 L482 L481 L484 L483 L467 L468 L465 L466 L464 L463 L462 L461
C512 C795 VR600 IC791 T602 S5 S4 S3 S2 S1 B1 B2 P1 P2 SC30
L591 L413 L412 L411 L401 L402 L403 C511 L602 C791 C802 Q801 R808 R801 R802
TP1 TP2 TP5 TP4 TP8 TP9 SC2 SC23 L592 D583 C592 TP6 TP7 L601 TP34
TP10 TP11 TP20 TP18 TP22 TP15 TP14 TP26 TP39 TP52 TP21 TP38 TP12 C563 TP13 TP27 TP23 TP19 TP25 TP24 TP16 TP17 TP28

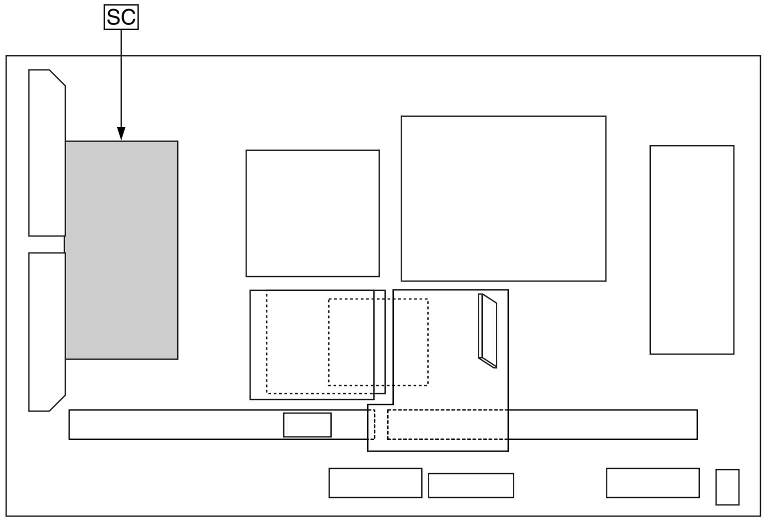
TH-37PV60E, TH-37PX60B
SC-BOARD TNPA3814AE

TH-42PV60E, TH-42PX60B
SC-BOARD TNPA3814AB

TH-37PV60E, TH-37PX60B
SC-BOARD TNPA3814AE

TH-42PV60E, TH-42PX60B
SC-BOARD TNPA3814AB

A B C D E F G H I



Parts Location

SC-BOARD (FOIL SIDE)

TRANSISTOR

Q6401	B-4
Q6402	B-4
Q6403	C-4
Q6421	D-4
Q6422	D-4
Q6423	D-4
Q6441	E-2
Q6442	D-2
Q6451	C-2
Q6452	C-2
Q6661	F-4
Q6801	H-1
Q6821	E-3
Q6822	F-3
Q6841	H-3
Q6842	H-3

TP

TP1	A-1
TP2	B-1
TP4	B-2
TP5	B-2
TP6	C-1
TP7	C-1
TP8	B-2
TP9	B-2
TP10	F-2
TP11	F-2
TP12	G-1
TP13	G-1
TP14	E-2
TP15	F-2
TP16	G-1
TP17	G-1
TP18	F-2
TP19	F-1
TP20	F-2
TP21	E-1
TP22	F-2
TP23	F-1
TP24	F-1
TP25	F-1
TP26	E-1
TP27	F-1
TP28	H-2
TP29	H-5
TP30	A-5
TP31	H-4
TP32	E-5
TP33	B-3
TP34	E-1
TP35	E-3
TP38	F-1
TP39	E-1
TP40	D-5
TP41	D-5
TP42	C-5
TP43	C-5
TP44	B-6
TP45	C-5
TP46	F-5
TP47	F-5
TP48	F-6
TP49	F-6
TP50	H-6
TP51	G-6
TP52	E-1
TP53	G-4
TP54	C-6
TP55	C-6
TP56	C-6
TP57	B-6
TP58	B-6
TP59	G-6
TP60	G-6
TP61	G-6
TP62	G-6
TP63	G-6
TP64	F-3

VOLUME

VR6600	G-2
VR6601	E-5
VR6602	F-5

Parts Location

SC-BOARD (COMPONENT SIDE)

IC

IC6471	B-4
IC6472	B-4
IC6501	G-4
IC6521	F-2
IC6561	C-1
IC6562	D-2
IC6581	F-1
IC6601	E-5
IC6602	A-4
IC6610	B-5
IC6671	D-4
IC6681	D-5
IC6682	A-4
IC6721	A-5
IC6722	A-4
IC6724	C-5
IC6725	C-5
IC6751	C-4
IC6752	C-4
IC6753	C-4
IC6771	C-5
IC6772	C-5
IC6773	C-5
IC6774	C-4
IC6791	C-2
IC6801	C-2
IC6802	C-2
IC6821	C-3
IC6841	A-3
IC6861	B-5
IC6871	B-2

PHOTO COUPLER

PC6480	A-4
PC6701	A-4
PC6702	A-4
PC6703	A-4
PC6704	C-4
PC6705	B-4
PC6760	C-4
PC6801	B-2
PC6861	B-3
PC6871	C-1

TRANSISTOR

Q6401	H-4
Q6402	H-4
Q6403	G-4
Q6421	F-4
Q6422	F-4
Q6423	E-4
Q6441	E-2
Q6442	E-2
Q6451	G-2
Q6452	G-2
Q6471	B-3
Q6511	G-4
Q6512	G-4
Q6516	F-4
Q6517	F-4
Q6531	F-2
Q6532	F-2
Q6551	F-2
Q6552	G-2
Q6581	F-1
Q6601	E-5
Q6602	D-5
Q6621	F-4
Q6622	G-4
Q6641	F-5
Q6642	F-5
Q6643	F-5
Q6644	G-5
Q6645	G-5
Q6646	G-5
Q6647	H-5
Q6648	H-5
Q6661	D-4
Q6662	C-5
Q6663	C-4
Q6671	E-4
Q6672	F-4
Q6680	E-4
Q6681	D-5
Q6682	D-5
Q6691	D-5
Q6742	A-5
Q6743	B-5
Q6744	A-5
Q6762	F-4
Q6781	F-5
Q6782	F-5
Q6791	B-2
Q6801	B-1
Q6802	B-1
Q6803	B-2
Q6804	B-1
Q6821	D-3
Q6822	D-3
Q6824	C-3
Q6841	B-3
Q6842	A-3

TP

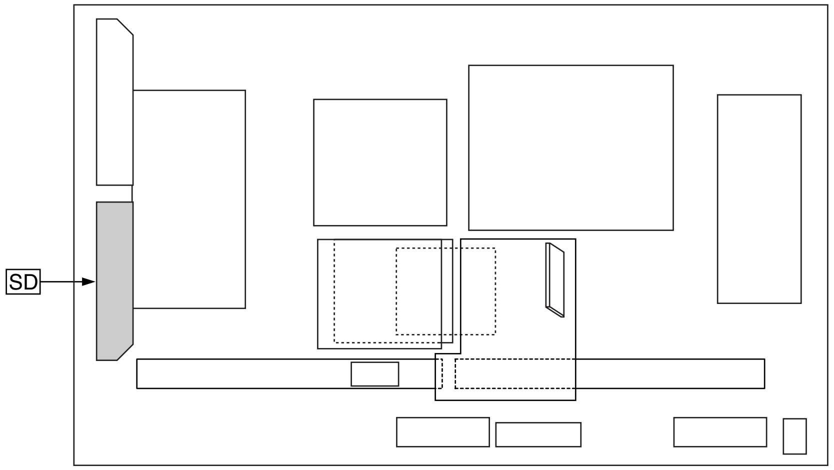
TP15V	G-1
TPSC1	D-6
TPSOS6	F-1
TPSOS7	D-2
TPVAD	C-4
TPVSCN	C-4
TPVSET	C-3
TPVSET2	B-4
TPVSUS	H-1

VOLUME

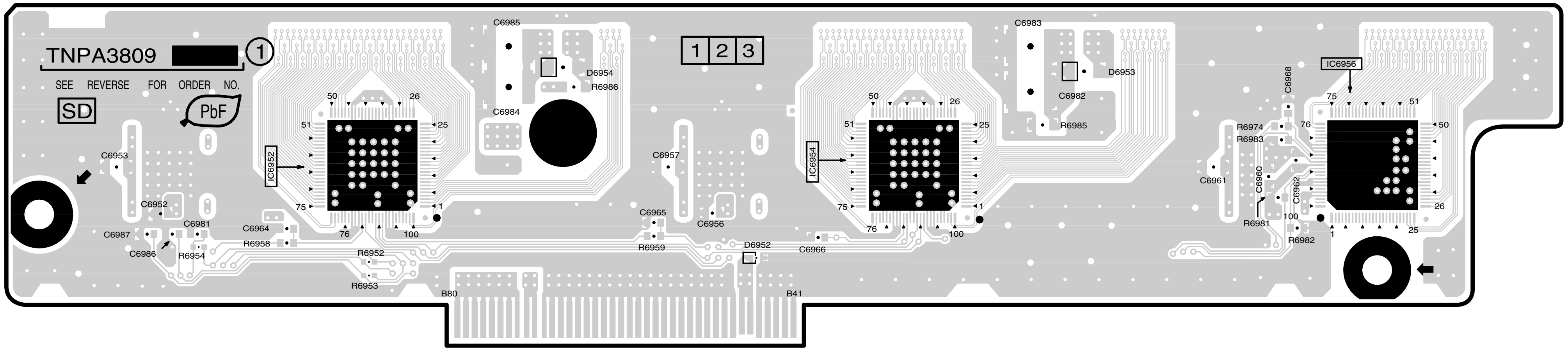
VR6600	C-2
VR6601	D-4
VR6602	D-5

Parts Location

SD-BOARD	
IC	
IC6951	G-2
IC6952	C-4
IC6953	E-2
IC6954	E-4
IC6955	C-2
IC6956	G-4



SD-BOARD (FOIL SIDE)
TNPA3809AB


TNPA3809
①
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C6985
D6954
R6986
C6984
C6983
D6953
C6982
R6985
IC6956
C6968
R6974
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C6962
R6981
R6982
IC6952
IC6954
C6953
C6952
C6981
C6987
C6986
R6954
C6964
R6958
R6952
R6953
C6957
C6965
R6959
C6956
D6952
C6966
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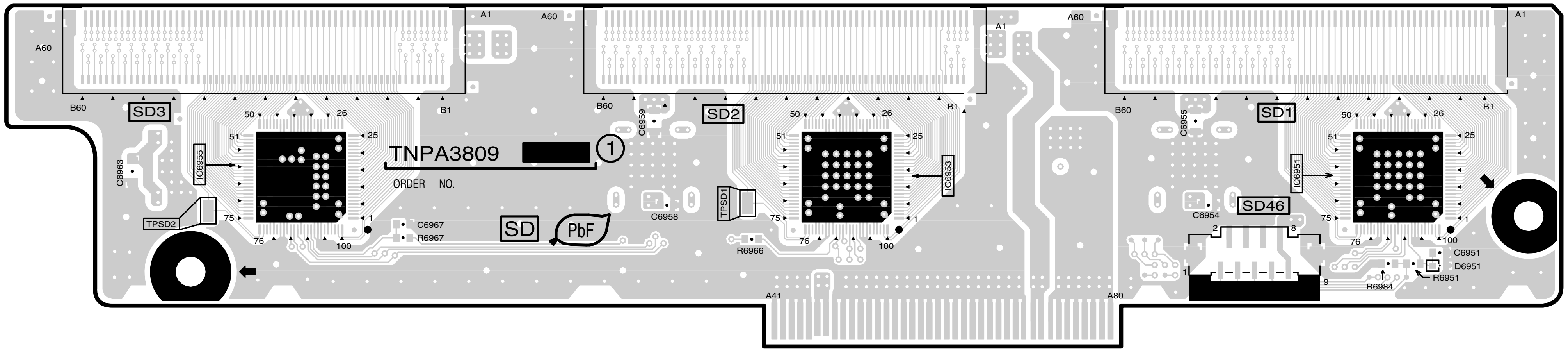
100
1

SD-BOARD (COMPONENT SIDE)
TNPA3809AB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B1
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SD2
SD1
SD46
TNPA3809
①
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SD
PbF
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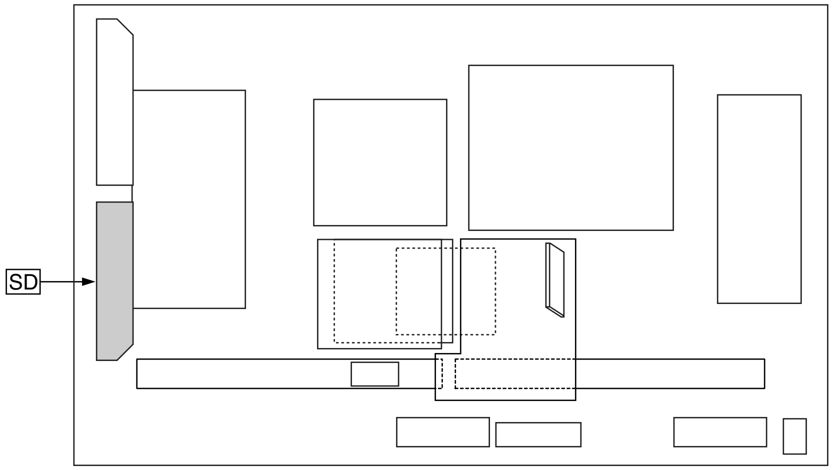
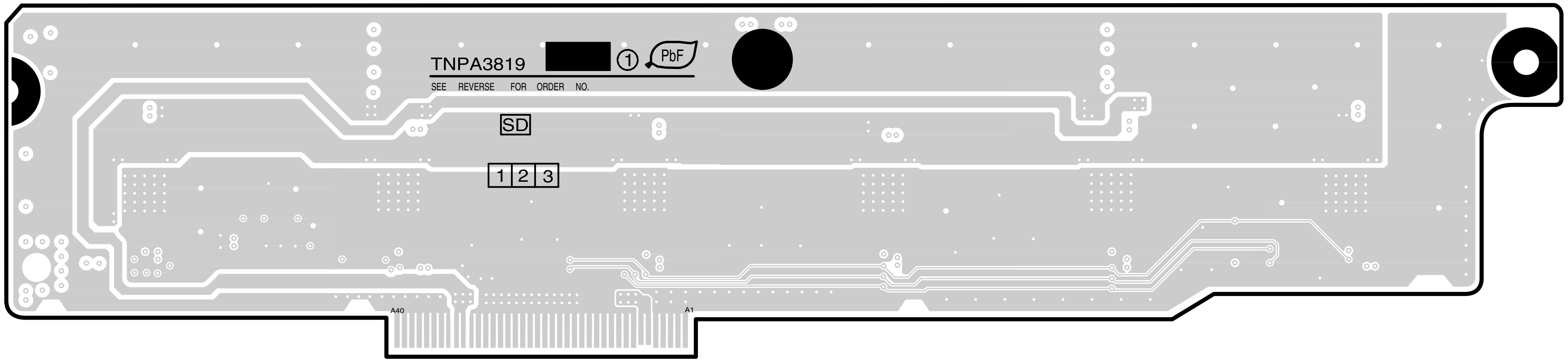
IC6953
IC6951
C6963
TPSD2
TPSD1
C6967
R6967
C6959
C6958
R6966
C6955
C6954
C6951
D6951
R6951
R6984
A41
A80
50
26
51
25
75
76
100
1
2
8
9

Parts Location

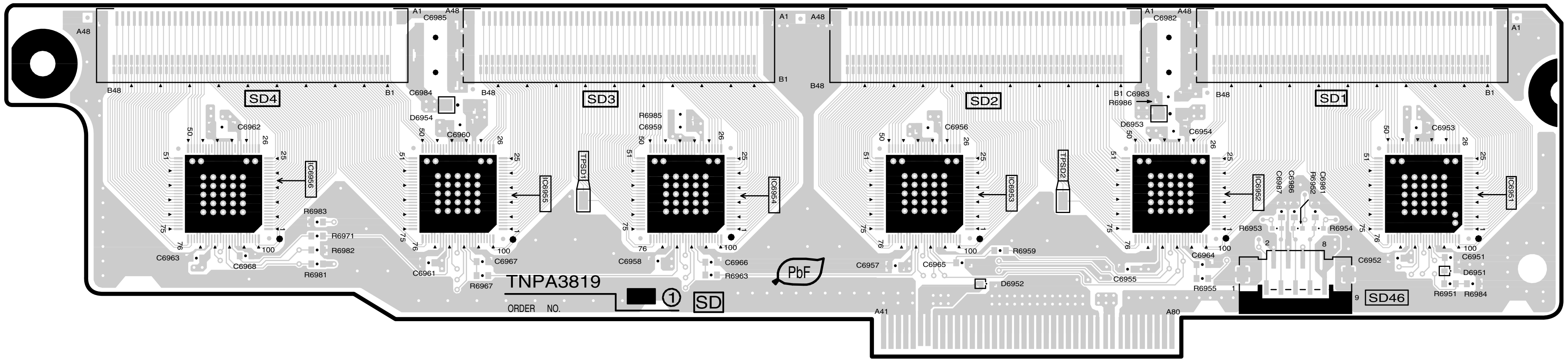
SD-BOARD	
IC	
IC6951	G-2
IC6952	F-2
IC6953	E-2
IC6954	D-1
IC6955	C-2
IC6956	B-2



SD-BOARD (FOIL SIDE)
TNPA3819AB

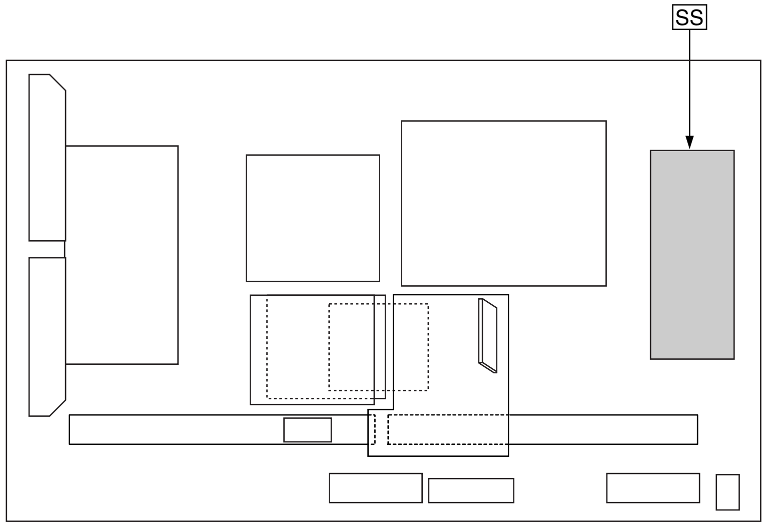

TNPA3819
SEE REVERSE FOR ORDER NO.
①
PbF
SD
1 2 3
A40
A1

SD-BOARD (COMPONENT SIDE)
TNPA3819AB

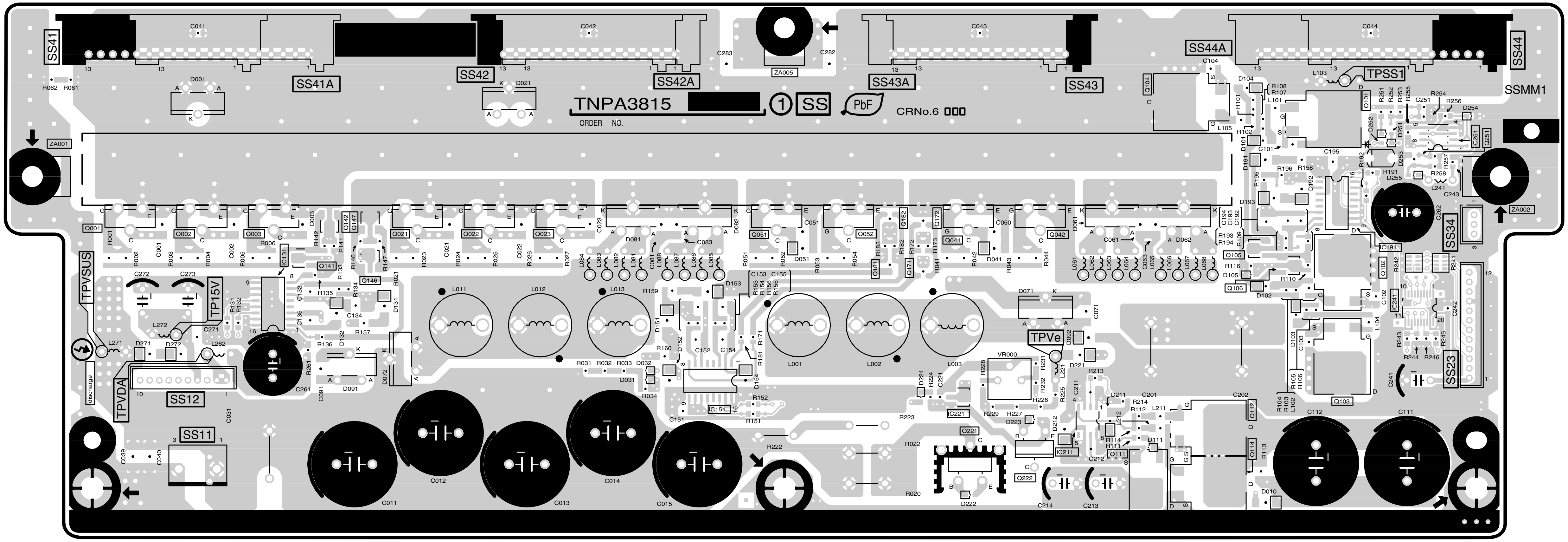

A48
B48
B1
A1
SD4
SD3
SD2
SD1
IC6956
IC6955
IC6954
IC6953
IC6952
IC6951
TPSD1
TPSD2
C6985
C6984
D6954
C6960
C6962
C6963
C6968
R6983
R6971
R6982
R6981
C6961
C6967
R6967
R6985
C6959
C6958
C6966
R6963
C6956
C6957
C6965
R6959
D6952
C6955
B1 C6983
R6986
D6953
C6954
C6982
C6964
R6955
C6987
C6986
C6981
R6952
R6953
R6954
C6953
C6952
C6951
D6951
R6951
R6984
SD46
TNPA3819
ORDER NO.
①
SD
PbF
A41
A80
50
26
51
25
75
76
100
1
2
8
9

Parts Location

SS-BOARD (COMPONENT SIDE)							
IC		**TRANSISTOR**				**TP**	
IC6131	B-3	Q6001	A-3	Q6111	G-2	TP15V	B-2
IC6151	E-2	Q6002	B-3	Q6112	G-2	TPSS1	H-4
IC6191	H-3	Q6003	B-3	Q6114	G-2	TPVDA	A-2
IC6211	F-2	Q6021	C-3	Q6141	C-3	TPVe	F-2
IC6221	F-2	Q6022	C-3	Q6142	C-3	TPVSUS	A-2
IC6241	H-2	Q6023	D-3	Q6146	C-2	**VOLUME**	
IC6251	I-3	Q6041	F-3	Q6147	C-3	VR6000	F-2
		Q6042	F-3	Q6171	F-3		
		Q6051	E-3	Q6172	F-3		
		Q6052	E-3	Q6181	E-3		
		Q6101	H-3	Q6182	F-3		
		Q6102	H-3	Q6221	F-2		
		Q6103	H-2	Q6222	F-1		
		Q6104	G-3	Q6251	H-3		
		Q6105	G-3				
		Q6106	G-2				

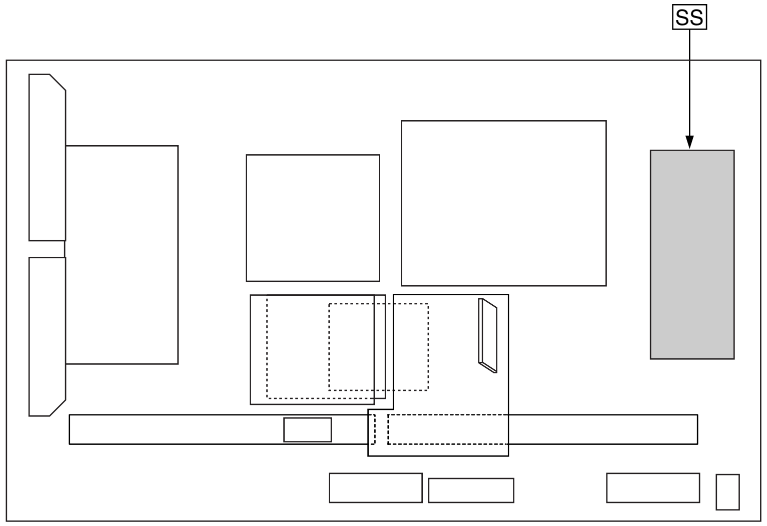


SS-BOARD (COMPONENT SIDE)
TNPA3815AE (37inch)
TNPA3815AB (42inch)

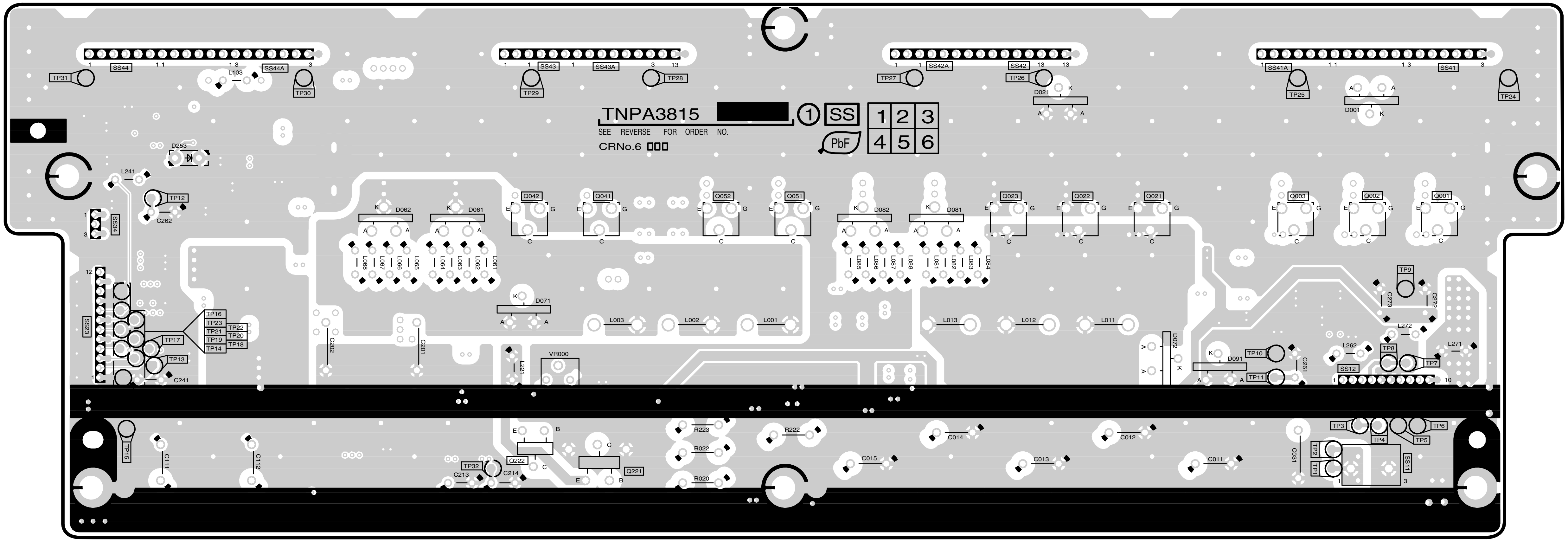

SS41
SS41A
SS42
SS42A
SS43A
SS43
SS44A
SS44
TPSS1
SSMM1
TNPA3815
SS
PbF
CRNo.6
ORDER NO.
TPVSUS
TP15V
TPVDA
TPVe
SS12
SS11
SS34
SS23
discharge
VR000
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6

Parts Location

SS-BOARD (FOIL SIDE)							
TRANSISTOR		**TP**				**VOLUME**	
Q6001	H-3	TP1	H-1	TP16	B-2	VR6000	D-2
Q6002	H-3	TP2	H-2	TP17	B-2		
Q6003	H-3	TP3	H-2	TP18	B-2		
Q6021	G-3	TP4	H-2	TP19	B-2		
Q6022	F-3	TP5	H-2	TP20	B-2		
Q6023	F-3	TP6	H-2	TP21	B-2		
Q6041	D-3	TP7	H-2	TP22	B-2		
Q6042	D-3	TP8	H-2	TP23	B-2		
Q6051	E-3	TP9	H-2	TP24	I-3		
Q6052	E-3	TP10	G-2	TP25	H-3		
Q6221	D-1	TP11	G-2	TP26	F-3		
Q6222	D-2	TP12	B-3	TP27	F-3		
		TP13	B-2	TP28	D-3		
		TP14	B-2	TP29	D-3		
		TP15	A-2	TP30	B-3		
				TP31	A-3		
				TP32	C-1		



SS-BOARD (FOIL SIDE)
TNPA3815AE (37inch)
TNPA3815AB (42inch)


TNPA3815
① SS
1 2 3
4 5 6
PbF
SEE REVERSE FOR ORDER NO.
CRNo.6
SS44
SS44A
SS43
SS43A
SS42A
SS42
SS41A
SS41
SS34
SS23
SS12
SS11
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31
TP32
Q001
Q002
Q003
Q021
Q022
Q023
Q041
Q042
Q051
Q052
Q221
Q222
D001
D021
D061
D062
D071
D072
D081
D082
D091
D253
L001
L002
L003
L011
L012
L013
L061
L062
L063
L064
L065
L066
L067
L068
L081
L082
L083
L084
L085
L086
L087
L088
L103
L221
L241
L262
L271
L272
C011
C012
C013
C014
C015
C031
C111
C112
C201
C202
C213
C214
C241
C261
C262
C272
C273
R020
R022
R222
R223
VR000

TH-37PV60E, TH-37PX60B
SS-BOARD TNPA3815AE

TH-42PV60E, TH-42PX60B
SS-BOARD TNPA3815AB

TH-37PV60E, TH-37PX60B
SS-BOARD TNPA3815AE

TH-42PV60E, TH-42PX60B
SS-BOARD TNPA3815AB

6 5 4 3 2 1

A B C D E F G H I

6

5

4

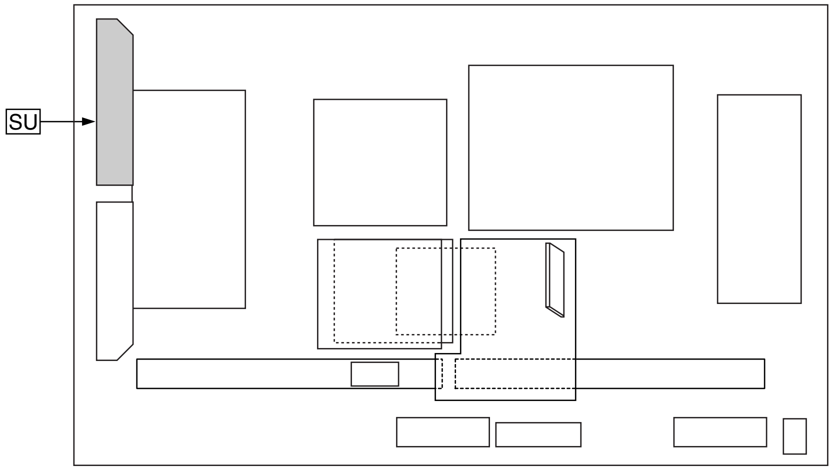
3

2

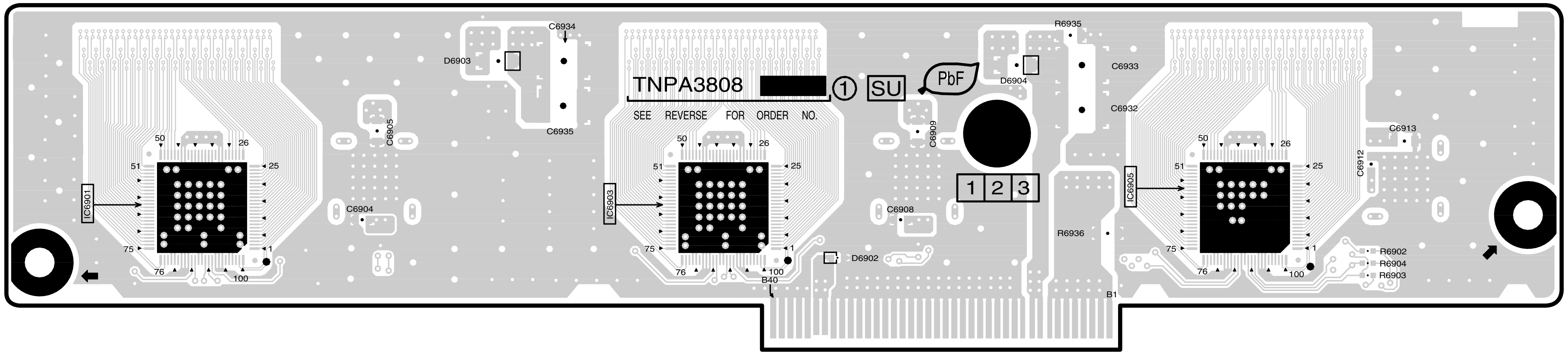
1

Parts Location

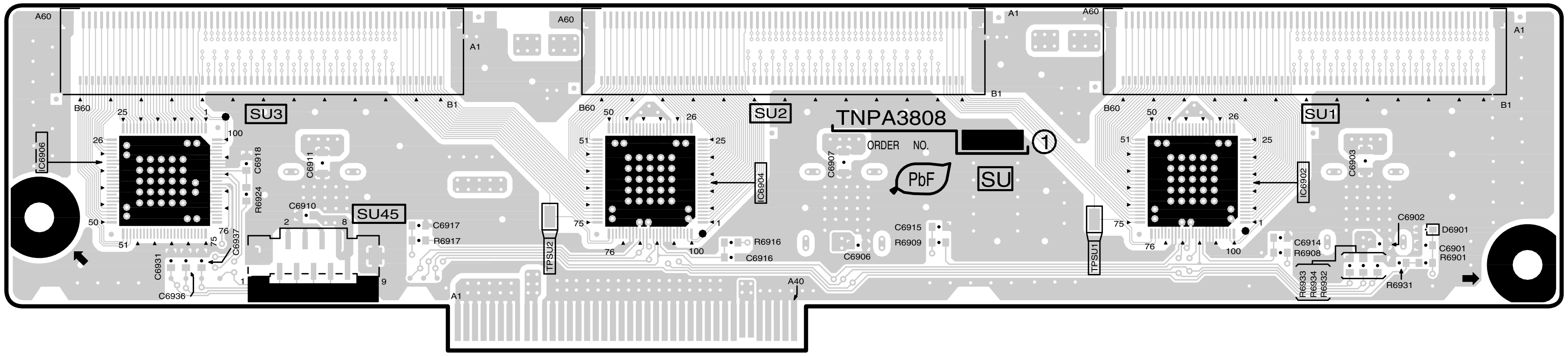
SU-BOARD	
IC	
IC6901	B-3
IC6902	F-2
IC6903	D-3
IC6904	D-2
IC6905	G-3
IC6906	B-2



SU-BOARD (FOIL SIDE)
TNPA3808AB


C6934
D6903
C6935
C6905
C6904
IC6901
50
26
51
25
75
1
76
100
TNPA3808
①
SU
PbF
SEE REVERSE FOR ORDER NO.
IC6903
B40
D6902
C6909
D6904
R6935
C6933
C6932
1 2 3
C6908
R6936
B1
IC6905
C6913
C6912
R6902
R6904
R6903

SU-BOARD (COMPONENT SIDE)
TNPA3808AB


A60
A1
B60
25
1
SU3
26
100
IC6906
C6918
R6924
C6911
C6910
SU45
2
8
9
C6917
R6917
50
51
75
76
C6937
C6931
C6936
TPSU2
SU2
IC6904
R6916
C6916
B1
TNPA3808
ORDER NO.
①
PbF
SU
C6907
C6915
R6909
C6906
A40
TPSU1
SU1
IC6902
C6903
C6902
D6901
C6914
R6908
R6933
R6934
R6932
R6931
C6901
R6901

A B C D E F G H I

6

5

4

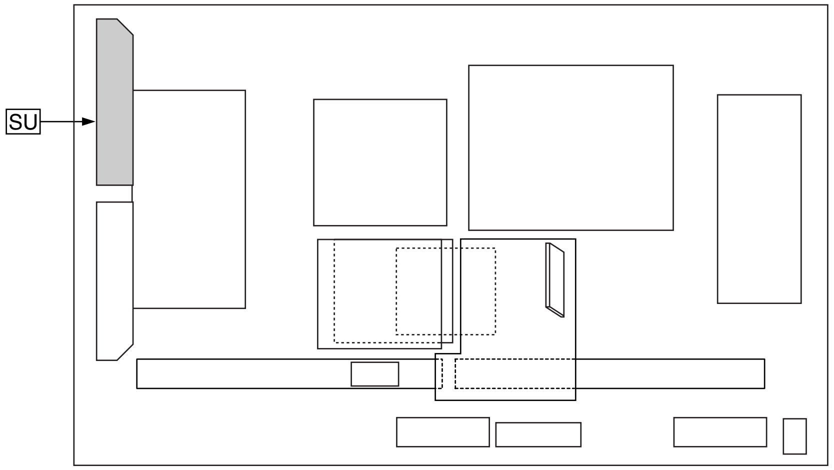
3

2

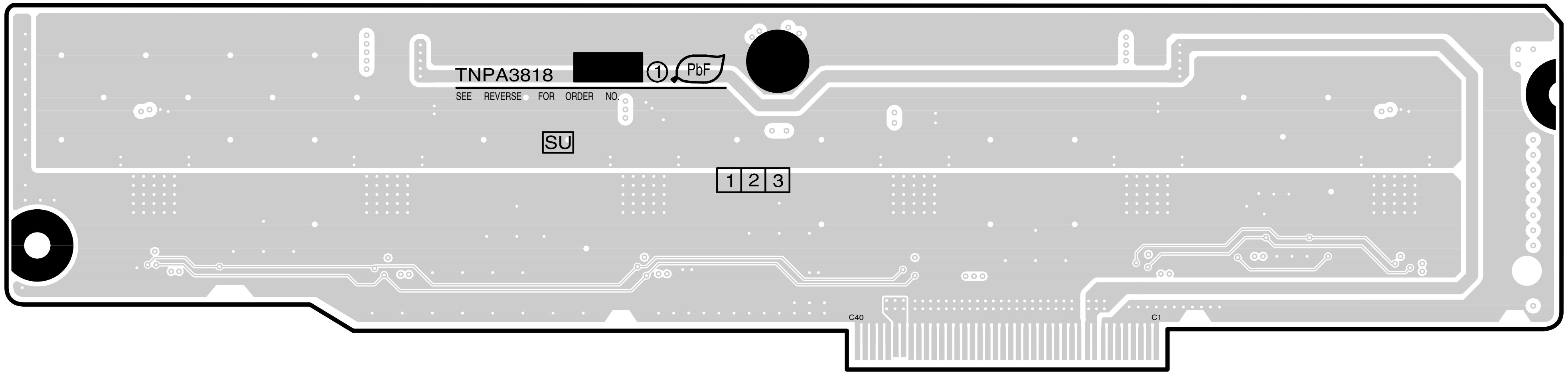
1

Parts Location

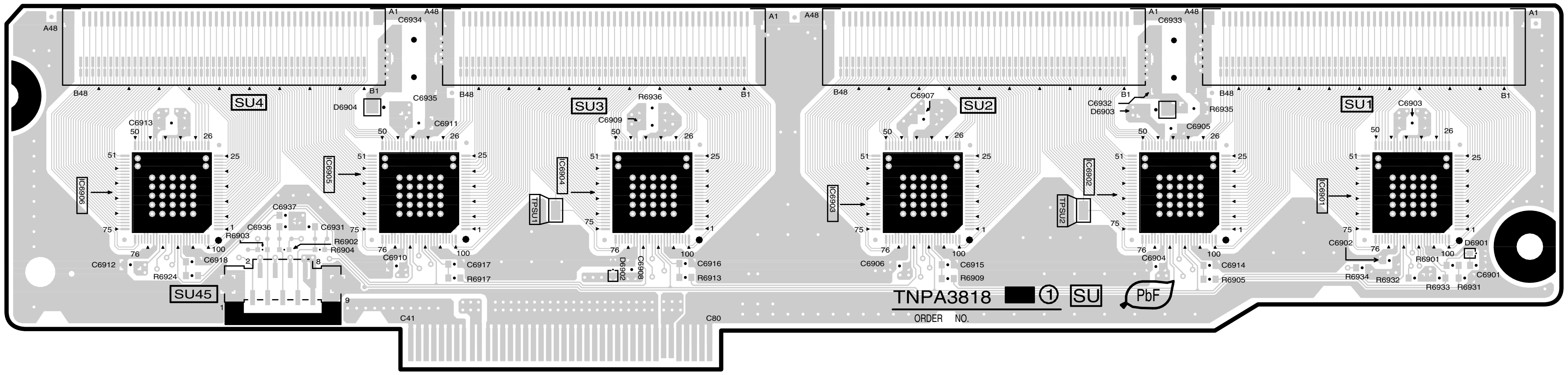
SU-BOARD	
IC	
IC6901	G-2
IC6902	F-2
IC6903	E-2
IC6904	D-1
IC6905	C-2
IC6906	B-2



SU-BOARD (FOIL SIDE)
TNPA3818AB

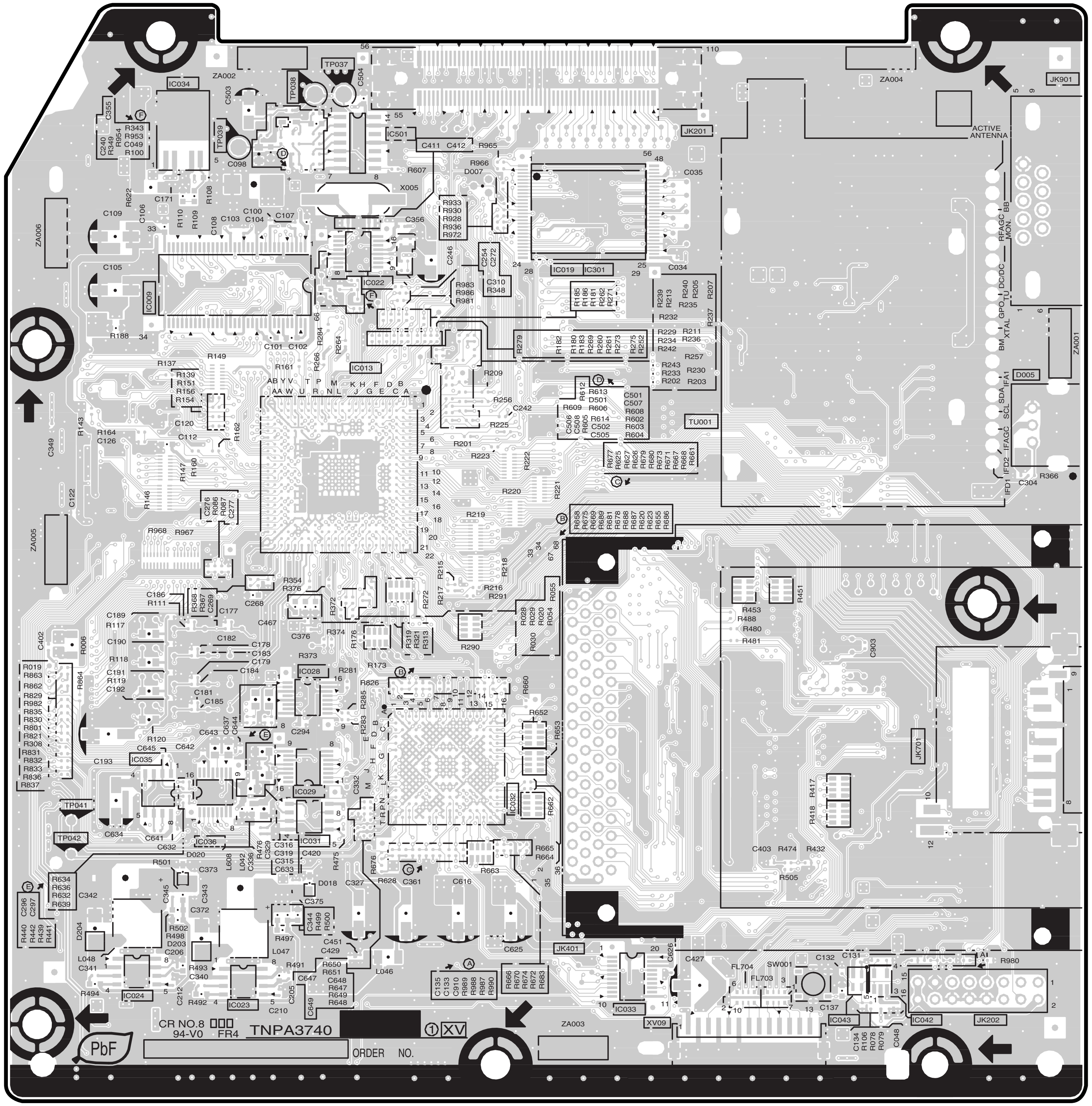

TNPA3818
①
PbF
SEE REVERSE FOR ORDER NO.
SU
1
2
3
C40
C1

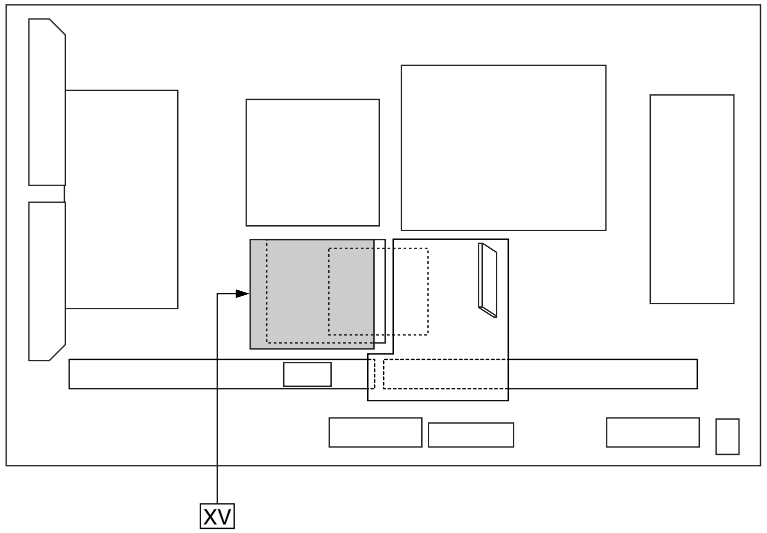
SU-BOARD (COMPONENT SIDE)
TNPA3818AB


A48
A1
B48
B1
SU4
SU3
SU2
SU1
SU45
IC6906
IC6905
IC6904
IC6903
IC6902
IC6901
TPSU1
TPSU2
D6904
D6903
D6902
D6901
C6934
C6933
C6935
C6936
C6937
C6931
C6932
C6913
C6911
C6909
C6907
C6905
C6903
C6912
C6918
C6910
C6917
C6916
C6915
C6914
C6908
C6906
C6904
C6902
C6901
R6936
R6935
R6903
R6902
R6904
R6924
R6917
R6913
R6909
R6905
R6901
R6934
R6932
R6933
R6931
50
26
51
25
75
1
76
100
C41
C80
TNPA3818
①
SU
PbF
ORDER NO.

A
B
C
D
E
F
G
H
I

XV-BOARD (COMPONENT SIDE)
TNPA3740AB

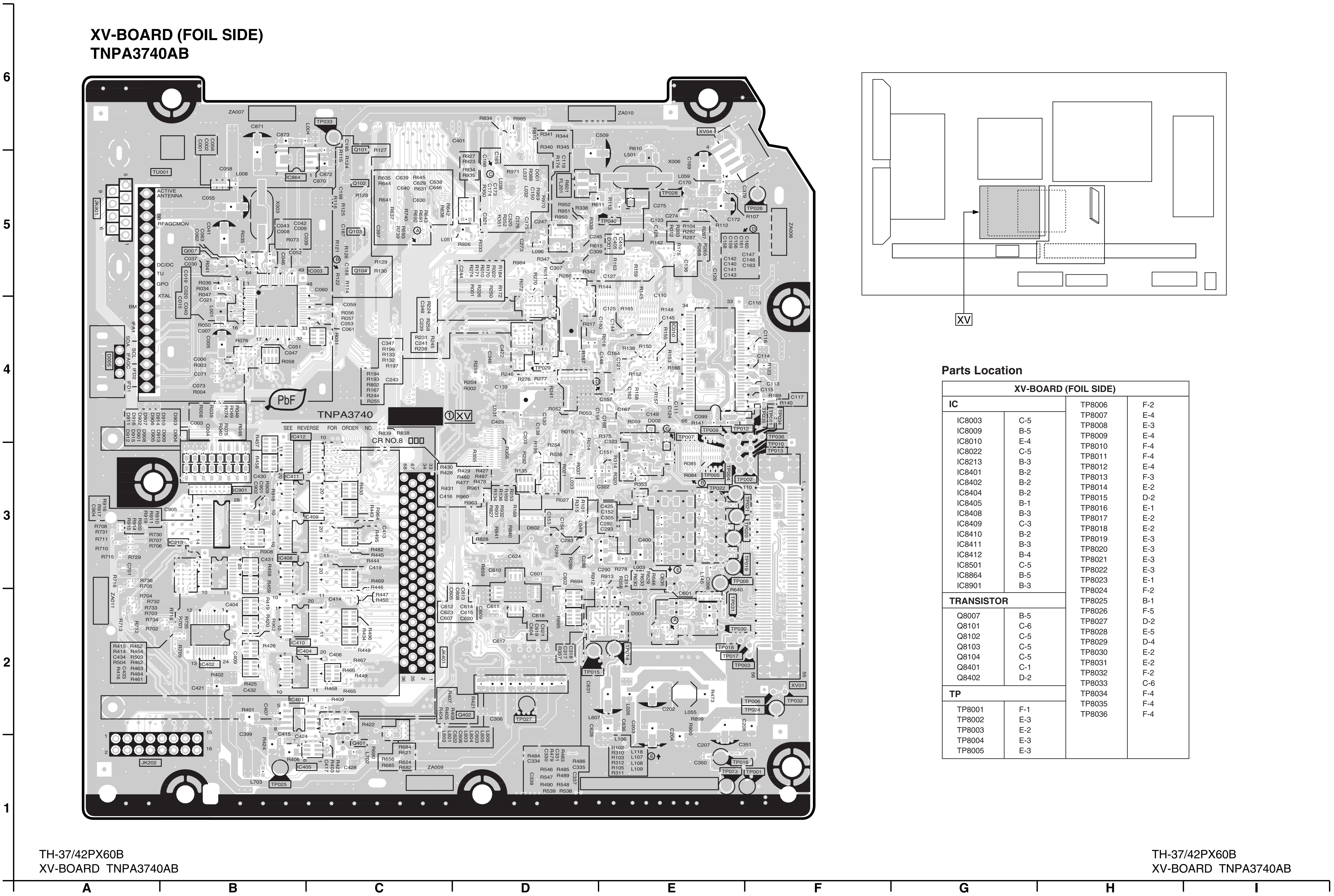

IC034
ZA002
TP037
TP038
TP039
JK201
ZA004
JK901
ACTIVE ANTENNA
IC501
X005
D007
C035
ZA006
IC009
IC019
IC301
IC022
IC013
TU001
D005
ZA001
ZA005
IC028
IC029
IC031
IC032
IC035
IC036
TP041
TP042
JK701
D020
D018
IC024
IC023
JK401
FL704
FL703
SW001
IC033
IC043
IC042
JK202
XV09
ZA003
CR NO.8
94-V0 FR4
TNPA3740
① XV
ORDER NO.
PbF



Parts Location

XV-BOARD (COMPONENT SIDE)			
IC		**TP**	
IC8013	C-4	TP8037	B-6
IC8019	D-5	TP8038	B-6
IC8023	B-1	TP8039	B-5
IC8024	B-1	TP8040	E-5
IC8028	B-3	TP8041	A-2
IC8029	B-2	TP8042	A-2
IC8031	B-2		
IC8032	C-2		
IC8033	D-1		
IC8034	B-6		
IC8035	B-3		
IC8036	B-2		
IC8042	E-1		
IC8043	E-1		
IC8301	D-5		

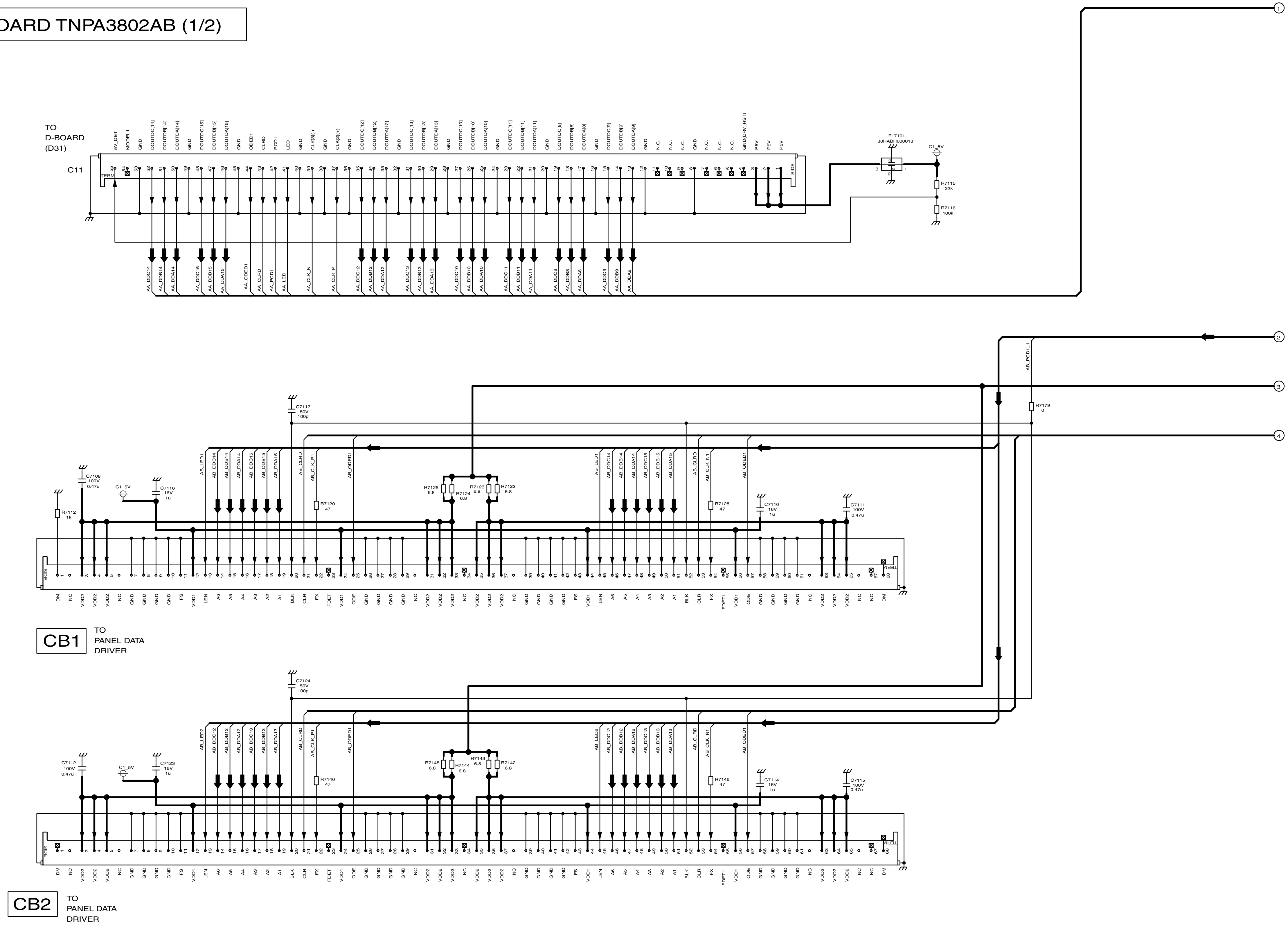
XV-BOARD (FOIL SIDE)
TNPA3740AB


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TNPA3740
①XV
SEE REVERSE FOR ORDER NO.
CR NO.8
PbF
ACTIVE ANTENNA
RFAGCMON
DC/DC
TU
GPO
XTAL
BM
JK202
JK401
XV

Parts Location

XV-BOARD (FOIL SIDE)			
IC		TP8006	F-2
IC8003	C-5	TP8007	E-4
IC8009	B-5	TP8008	E-3
IC8010	E-4	TP8009	E-4
IC8022	C-5	TP8010	F-4
IC8213	B-3	TP8011	F-4
IC8401	B-2	TP8012	E-4
IC8402	B-2	TP8013	F-3
IC8404	B-2	TP8014	E-2
IC8405	B-1	TP8015	D-2
IC8408	B-3	TP8016	E-1
IC8409	C-3	TP8017	E-2
IC8410	B-2	TP8018	E-2
IC8411	B-3	TP8019	E-3
IC8412	B-4	TP8020	E-3
IC8501	C-5	TP8021	E-3
IC8864	B-5	TP8022	E-3
IC8901	B-3	TP8023	E-1
TRANSISTOR		TP8024	F-2
Q8007	B-5	TP8025	B-1
Q8101	C-6	TP8026	F-5
Q8102	C-5	TP8027	D-2
Q8103	C-5	TP8028	E-5
Q8104	C-5	TP8029	D-4
Q8401	C-1	TP8030	E-2
Q8402	D-2	TP8031	E-2
TP		TP8032	F-2
TP8001	F-1	TP8033	C-6
TP8002	E-3	TP8034	F-4
TP8003	E-2	TP8035	F-4
TP8004	E-3	TP8036	F-4
TP8005	E-3		

⚠ C1-BOARD TNPA3802AB (1/2)

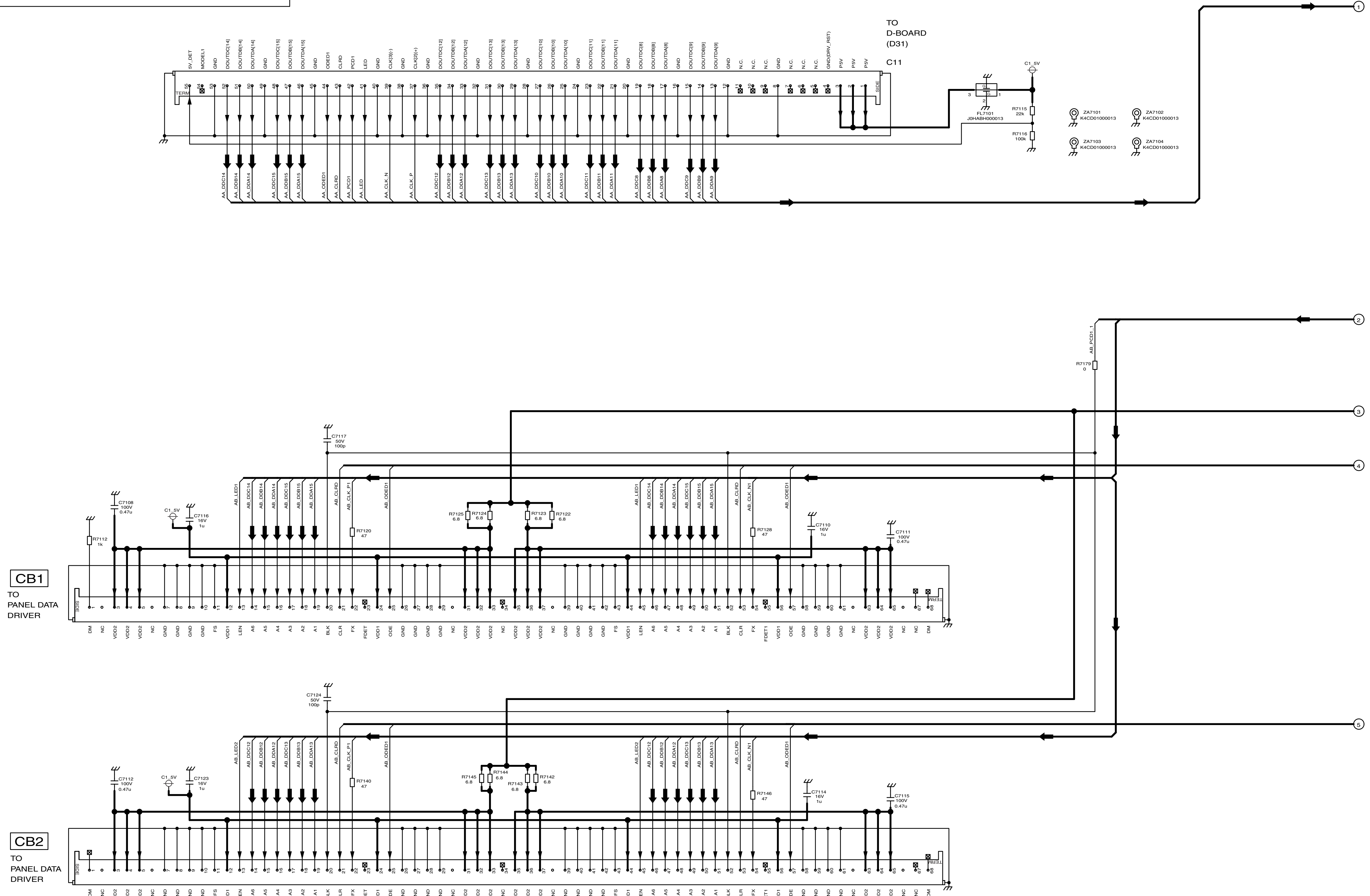


TO
D-BOARD
(D31)
C11
TERM
SIDE
5V_DET
MODEL1
GND
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED1
CLRD
PCD1
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
N.C.
GND(DRV_RST)
P5V
FL7101
J0HABH000013
C1_5V
R7115
22k
R7116
100k
AA_DDC14
AA_DDB14
AA_DDA14
AA_DDC15
AA_DDB15
AA_DDA15
AA_ODED1
AA_CLRD
AA_PCD1
AA_LED
AA_CLK_N
AA_CLK_P
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
①
②
③
④
AB_PCD1_1
R7179
0
C7117
50V
100p
C7108
100V
0.47u
C1_5V
C7116
16V
1u
R7112
1k
AB_LED1
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AB_CLRD
AB_CLK_P1
AB_ODED1
R7120
47
R7125
6.8
R7124
6.8
R7123
6.8
R7122
6.8
AB_CLK_N1
R7128
47
C7110
16V
1u
C7111
100V
0.47u
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
FDET1
CB1
TO
PANEL DATA
DRIVER
C7124
50V
100p
C7112
100V
0.47u
C7123
16V
1u
AB_LED2
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
R7140
47
R7145
6.8
R7144
6.8
R7143
6.8
R7142
6.8
R7146
47
C7114
16V
1u
C7115
100V
0.47u
CB2
TO
PANEL DATA
DRIVER

TH-37PV60E, TH-37PX60B
C1-Board (1 of 2) Schematic Diagram

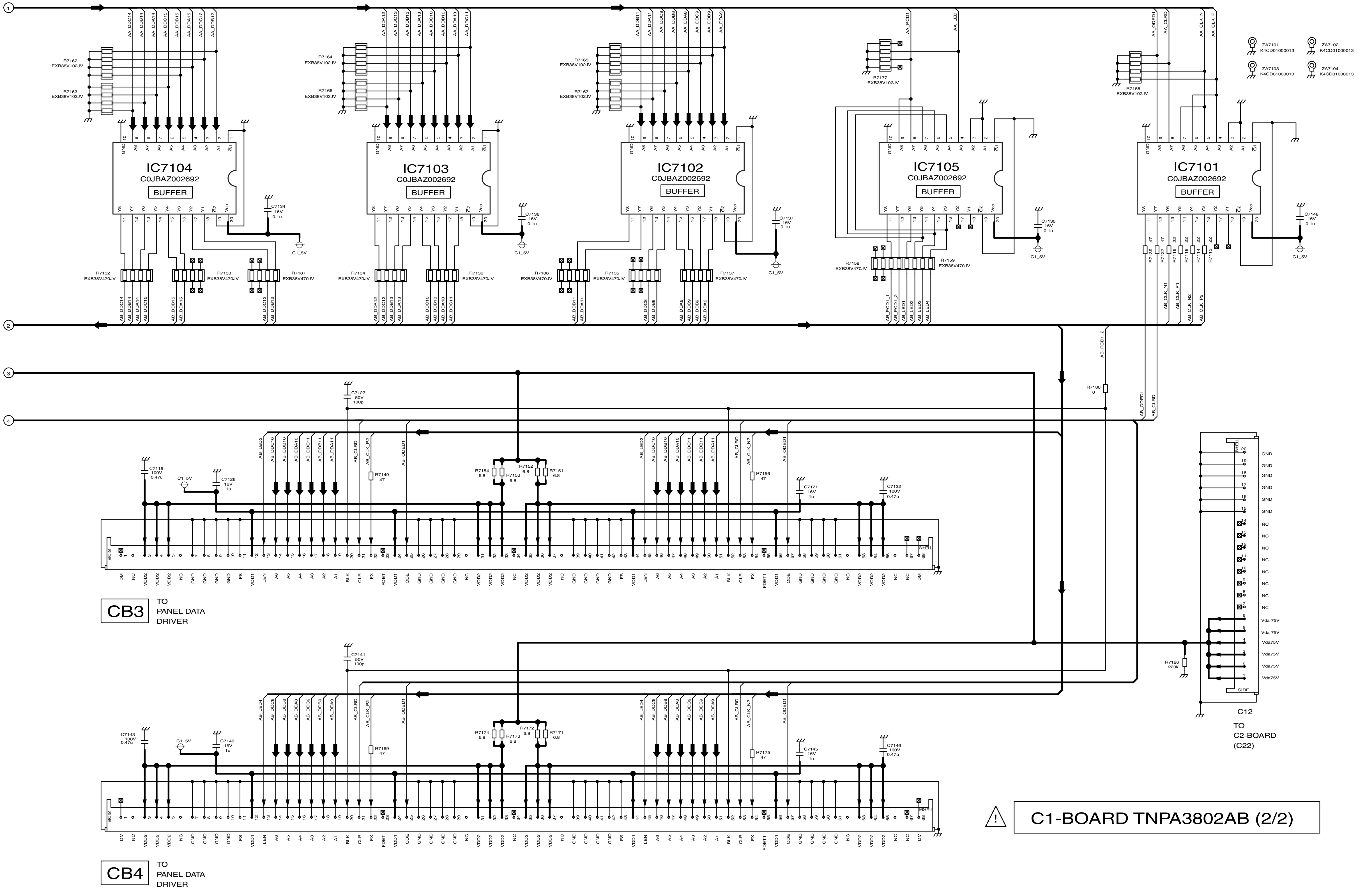
TH-37PV60E, TH-37PX60B
C1-Board (1 of 2) Schematic Diagram

⚠ C1-BOARD TNPA3812AB (1/2)

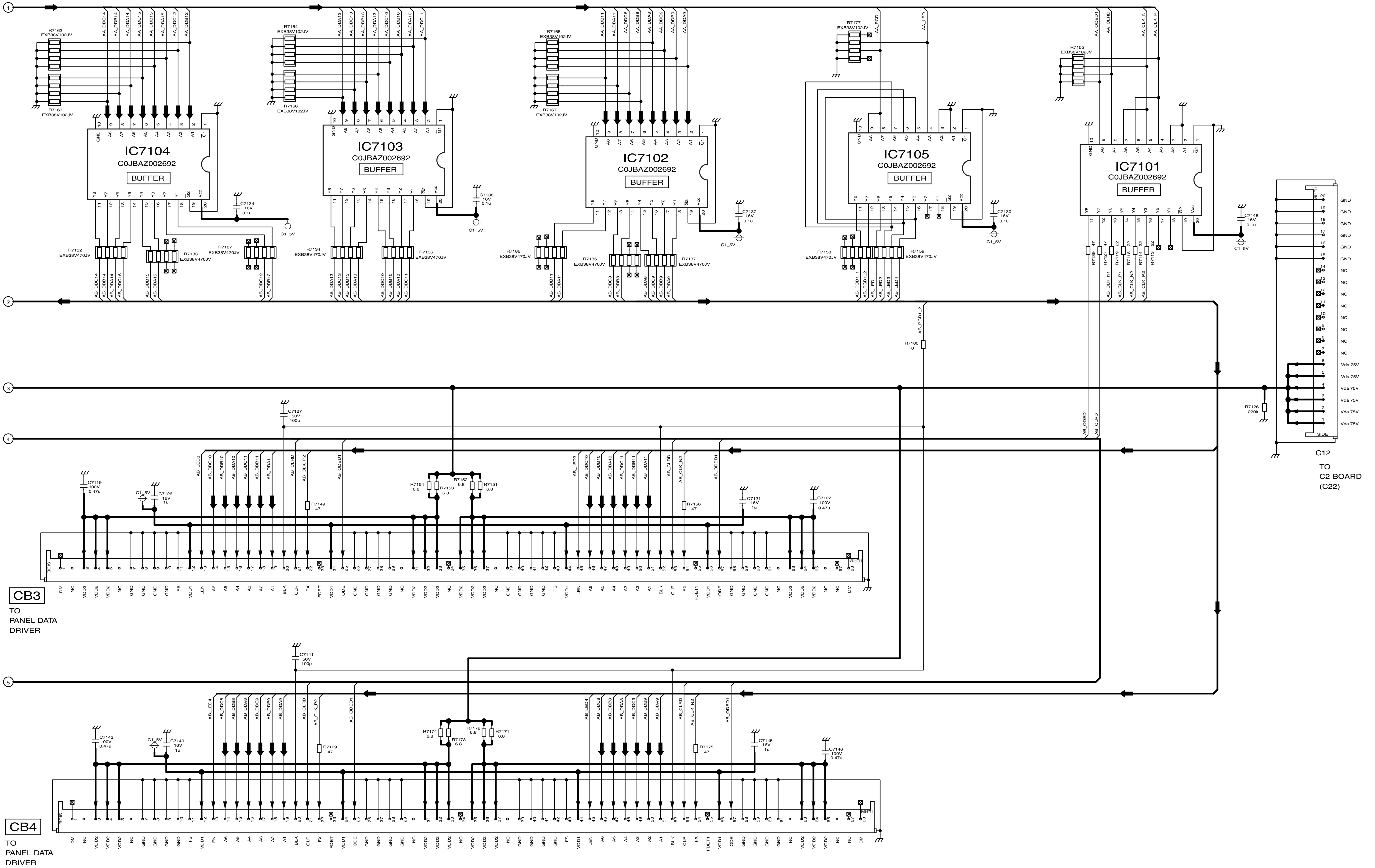

TO
D-BOARD
(D31)
C11
C1_5V
FL7101
J0HABH000013
R7115
22k
R7116
100k
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
ZA7104
K4CD01000013
AB_PCD1_1
R7179
0
C7117
50V
100p
C7108
100V
0.47u
C7116
16V
1u
R7112
1k
R7120
47
R7125
6.8
R7124
6.8
R7123
6.8
R7122
6.8
R7128
47
C7110
16V
1u
C7111
100V
0.47u
CB1
TO
PANEL DATA
DRIVER
C7124
50V
100p
C7112
100V
0.47u
C7123
16V
1u
R7140
47
R7145
6.8
R7144
6.8
R7143
6.8
R7142
6.8
R7146
47
C7114
16V
1u
C7115
100V
0.47u
CB2
TO
PANEL DATA
DRIVER
①
②
③
④
⑤
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-42PV60E, TH-42PX60B
C1-Board (1 of 2) Schematic Diagram

TH-42PV60E, TH-42PX60B
C1-Board (1 of 2) Schematic Diagram


IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
IC7102
C0JBAZ002692
BUFFER
IC7105
C0JBAZ002692
BUFFER
IC7101
C0JBAZ002692
BUFFER
R7162 EXB38V102JV
R7163 EXB38V102JV
R7164 EXB38V102JV
R7166 EXB38V102JV
R7165 EXB38V102JV
R7167 EXB38V102JV
R7177 EXB38V102JV
R7155 EXB38V102JV
R7132 EXB38V470JV
R7133 EXB38V470JV
R7187 EXB38V470JV
R7134 EXB38V470JV
R7136 EXB38V470JV
R7186 EXB38V470JV
R7135 EXB38V470JV
R7137 EXB38V470JV
R7158 EXB38V470JV
R7159 EXB38V470JV
ZA7101 K4CD01000013
ZA7102 K4CD01000013
ZA7103 K4CD01000013
ZA7104 K4CD01000013
C7134 16V 0.1u
C7138 16V 0.1u
C7137 16V 0.1u
C7130 16V 0.1u
C7148 16V 0.1u
C1_5V
C7127 50V 100p
C7119 100V 0.47u
C7126 16V 1u
C7121 16V 1u
C7122 100V 0.47u
C7141 50V 100p
C7143 100V 0.47u
C7140 16V 1u
C7145 16V 1u
C7146 100V 0.47u
R7149 47
R7156 47
R7169 47
R7175 47
R7154 6.8
R7153 6.8
R7152 6.8
R7151 6.8
R7174 6.8
R7173 6.8
R7172 6.8
R7171 6.8
R7180 0
R7126 220k
CB3
TO PANEL DATA DRIVER
CB4
TO PANEL DATA DRIVER
C12
TO C2-BOARD (C22)
GND
NC
Vda 75V
Vda75V
SIDE
C1-BOARD TNPA3802AB (2/2)

⚠ C1-BOARD TNPA3812AB (2/2)

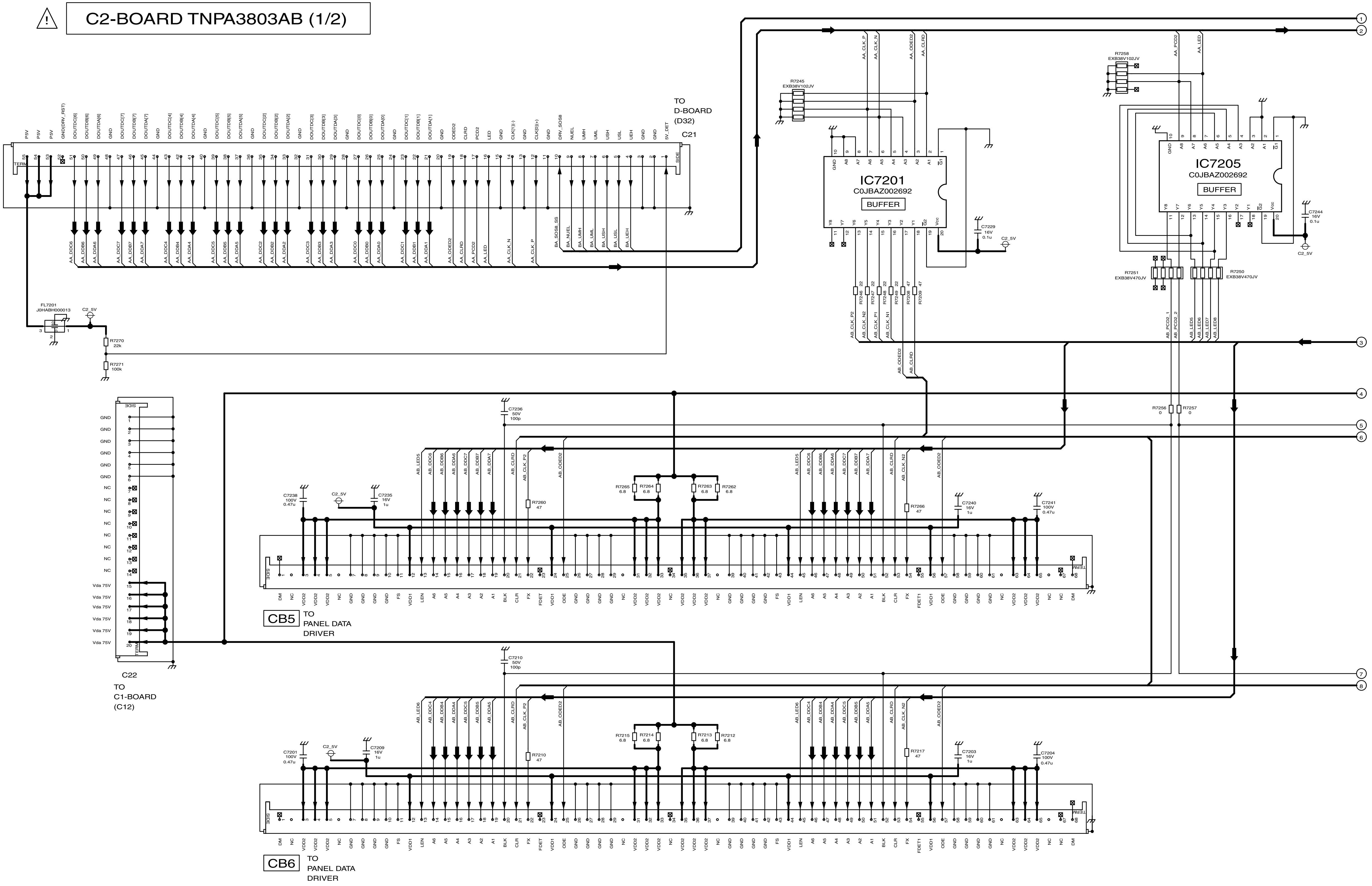


IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
IC7102
C0JBAZ002692
BUFFER
IC7105
C0JBAZ002692
BUFFER
IC7101
C0JBAZ002692
BUFFER
R7162 EXB38V102JV
R7163 EXB38V102JV
R7164 EXB38V102JV
R7166 EXB38V102JV
R7165 EXB38V102JV
R7167 EXB38V102JV
R7177 EXB38V102JV
R7155 EXB38V102JV
R7132 EXB38V470JV
R7133 EXB38V470JV
R7187 EXB38V470JV
R7134 EXB38V470JV
R7136 EXB38V470JV
R7186 EXB38V470JV
R7135 EXB38V470JV
R7137 EXB38V470JV
R7158 EXB38V470JV
R7159 EXB38V470JV
C7134 16V 0.1u
C7138 16V 0.1u
C7137 16V 0.1u
C7130 16V 0.1u
C7148 16V 0.1u
C1_5V
R7180 0
R7126 220k
C7127 50V 100p
C7141 50V 100p
C7119 100V 0.47u
C7126 16V 1u
C7121 16V 1u
C7122 100V 0.47u
C7143 100V 0.47u
C7140 16V 1u
C7145 16V 1u
C7146 100V 0.47u
R7149 47
R7156 47
R7169 47
R7175 47
R7154 6.8
R7153 6.8
R7152 6.8
R7151 6.8
R7174 6.8
R7173 6.8
R7172 6.8
R7171 6.8
AB_ODED1
AB_CLRD
AB_CLK_P2
AB_CLK_N2
AB_PCD1_2
GND
NC
Vda 75V
SIDE
TERM
C12
TO C2-BOARD (C22)
CB3
TO PANEL DATA DRIVER
CB4
TO PANEL DATA DRIVER

TH-42PV60E, TH-42PX60B
C1-Board (2 of 2) Schematic Diagram

TH-42PV60E, TH-42PX60B
C1-Board (2 of 2) Schematic Diagram

C2-BOARD TNPA3803AB (1/2)


TO
D-BOARD
(D32)
C21
IC7201
C0JBAZ002692
BUFFER
IC7205
C0JBAZ002692
BUFFER
R7245
EXB38V102JV
R7258
EXB38V102JV
R7251
EXB38V470JV
R7250
EXB38V470JV
FL7201
J0HABH000013
C2_5V
R7270
22k
R7271
100k
C22
TO
C1-BOARD
(C12)
CB5
TO
PANEL DATA
DRIVER
CB6
TO
PANEL DATA
DRIVER
C7236
50V
100p
C7210
50V
100p
C7229
16V
0.1u
C7244
16V
0.1u
R7256
0
R7257
0
R7260
47
R7266
47
R7210
47
R7217
47
R7265
6.8
R7264
6.8
R7263
6.8
R7262
6.8
R7215
6.8
R7214
6.8
R7213
6.8
R7212
6.8
C7238
100V
0.47u
C7235
16V
1u
C7240
16V
1u
C7241
100V
0.47u
C7201
100V
0.47u
C7209
16V
1u
C7203
16V
1u
C7204
100V
0.47u
Vda 75V
GND
NC

TH-37PV60E, TH-37PX60B
C2-Board (1 of 2) Schematic Diagram

TH-37PV60E, TH-37PX60B
C2-Board (1 of 2) Schematic Diagram

⚠ C2-BOARD TNPA3813AB (1/2)

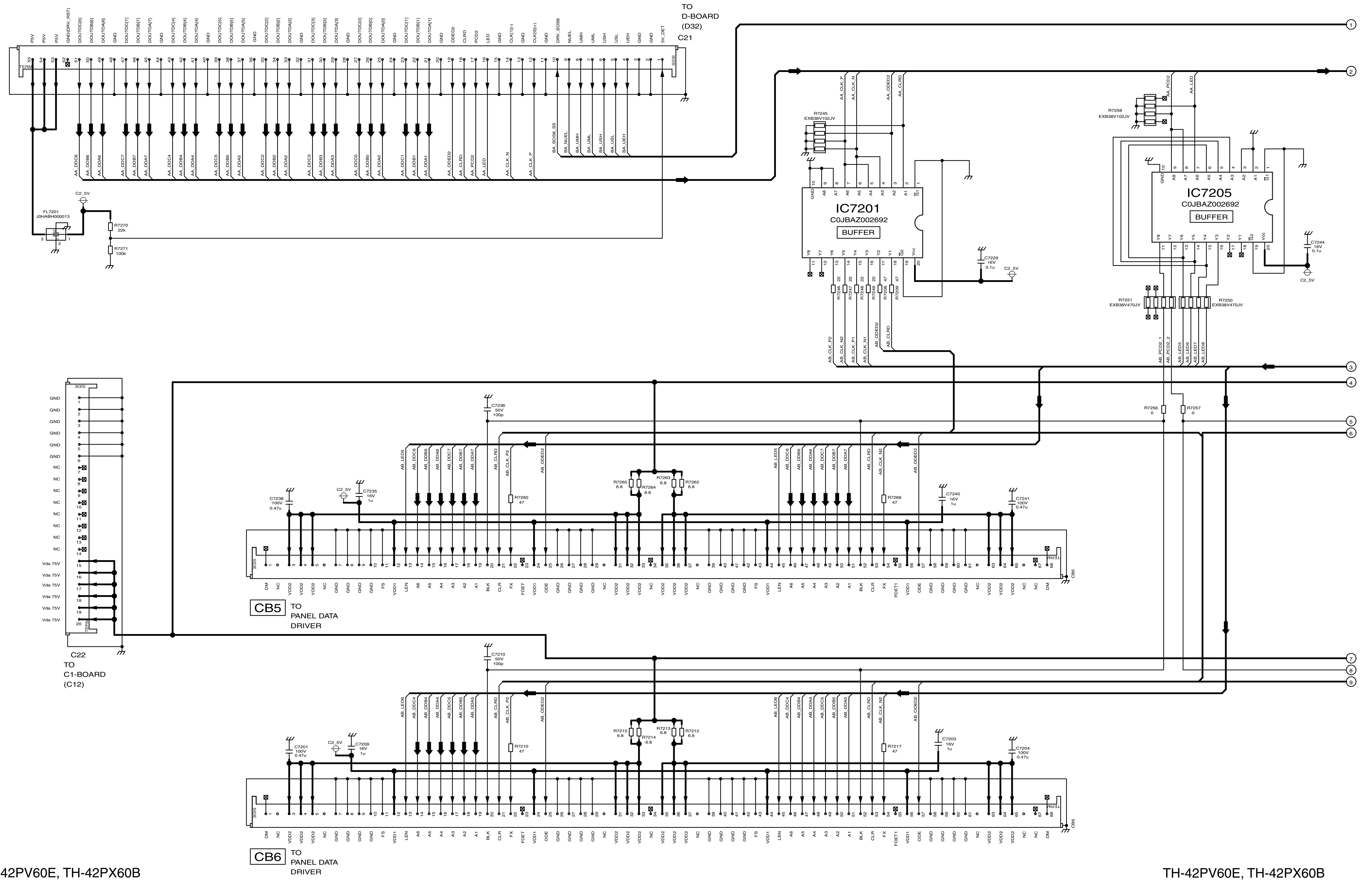
A

B

C

D

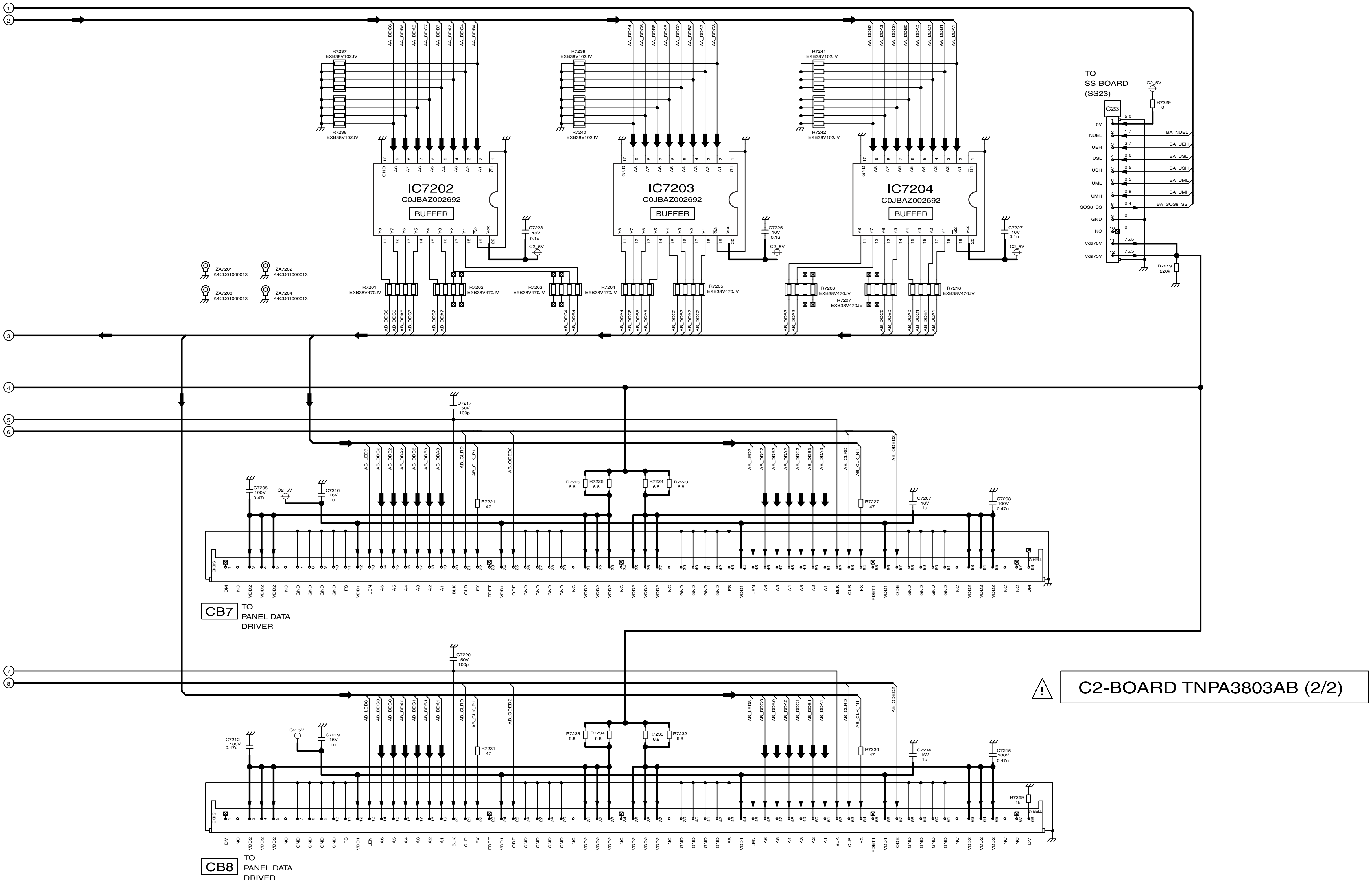
E


TO
D-BOARD
(D32)
C21
IC7201
C0JBAZ002692
BUFFER
IC7205
C0JBAZ002692
BUFFER
R7245
EXB38V102JV
R7258
EXB38V102JV
R7251
EXB38V470JV
R7250
EXB38V470JV
FL7201
J0HABH000013
C2_5V
R7270
22k
R7271
100k
C7229
16V
0.1u
C7244
16V
0.1u
C7236
50V
100p
C7210
50V
100p
C7238
100V
0.47u
C7235
16V
1u
C7240
16V
1u
C7241
100V
0.47u
C7201
100V
0.47u
C7209
16V
1u
C7203
16V
1u
C7204
100V
0.47u
R7260
47
R7266
47
R7210
47
R7217
47
R7265
6.8
R7264
6.8
R7263
6.8
R7262
6.8
R7215
6.8
R7214
6.8
R7213
6.8
R7212
6.8
R7256
0
R7257
0
C22
TO
C1-BOARD
(C12)
CB5
TO
PANEL DATA
DRIVER
CB6
TO
PANEL DATA
DRIVER
①
②
③
④
⑤
⑥
⑦
⑧
⑨

TH-42PV60E, TH-42PX60B
C2-Board (1 of 2) Schematic Diagram

TH-42PV60E, TH-42PX60B
C2-Board (1 of 2) Schematic Diagram

1 2 3 4 5 6 7 8

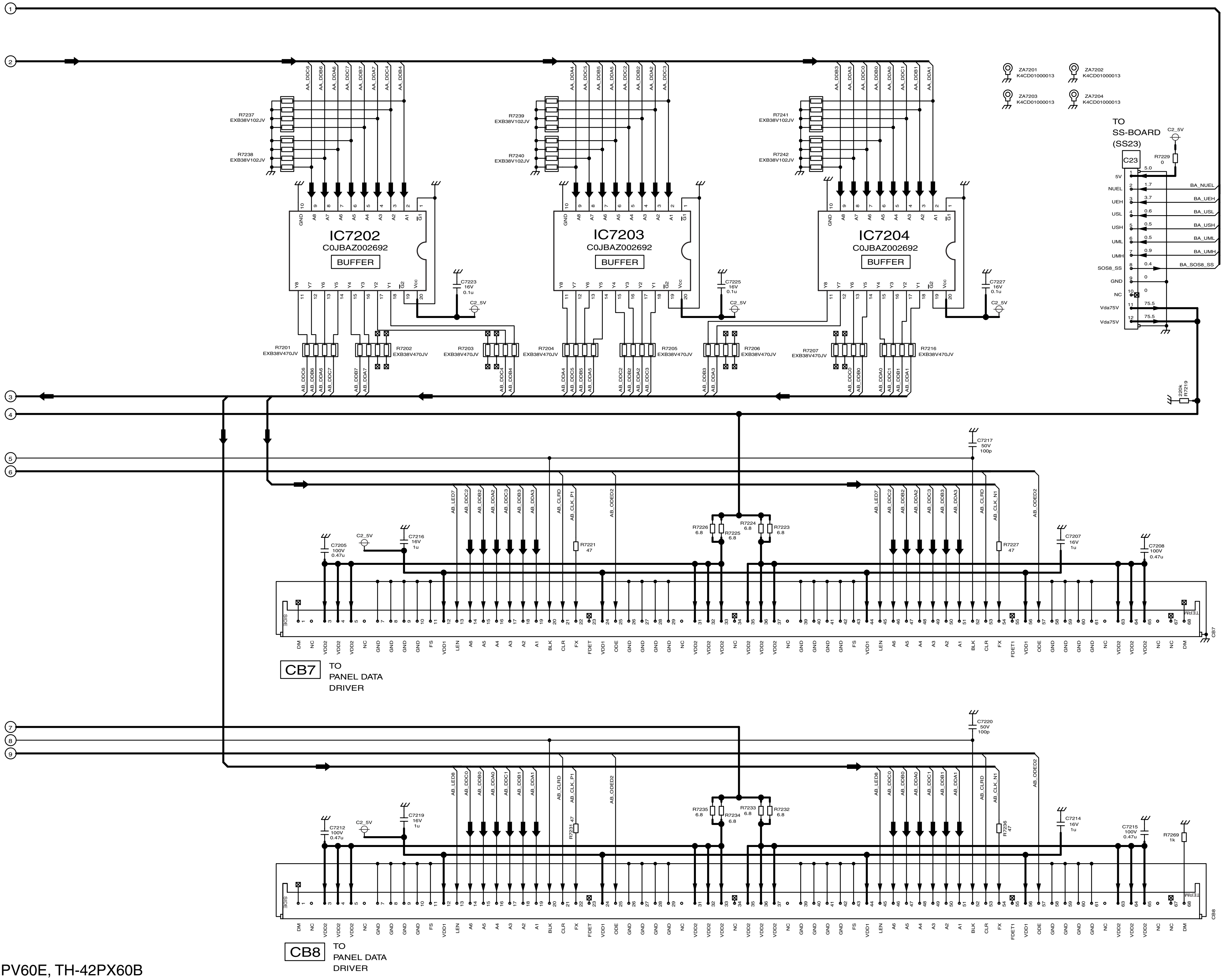

IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
IC7204
C0JBAZ002692
BUFFER
R7237 EXB38V102JV
R7238 EXB38V102JV
R7239 EXB38V102JV
R7240 EXB38V102JV
R7241 EXB38V102JV
R7242 EXB38V102JV
R7201 EXB38V470JV
R7202 EXB38V470JV
R7203 EXB38V470JV
R7204 EXB38V470JV
R7205 EXB38V470JV
R7206 EXB38V470JV
R7207 EXB38V470JV
R7216 EXB38V470JV
C7223 16V 0.1u
C7225 16V 0.1u
C7227 16V 0.1u
C2_5V
ZA7201 K4CD01000013
ZA7202 K4CD01000013
ZA7203 K4CD01000013
ZA7204 K4CD01000013
TO SS-BOARD (SS23)
C23
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
GND
NC
Vda75V
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_SOS8_SS
R7229 0
R7219 220k
C7217 50V 100p
C7220 50V 100p
C7205 100V 0.47u
C7216 16V 1u
C7207 16V 1u
C7208 100V 0.47u
C7212 100V 0.47u
C7219 16V 1u
C7214 16V 1u
C7215 100V 0.47u
R7221 47
R7227 47
R7231 47
R7236 47
R7226 6.8
R7225 6.8
R7224 6.8
R7223 6.8
R7235 6.8
R7234 6.8
R7233 6.8
R7232 6.8
R7269 1k
CB7 TO PANEL DATA DRIVER
CB8 TO PANEL DATA DRIVER

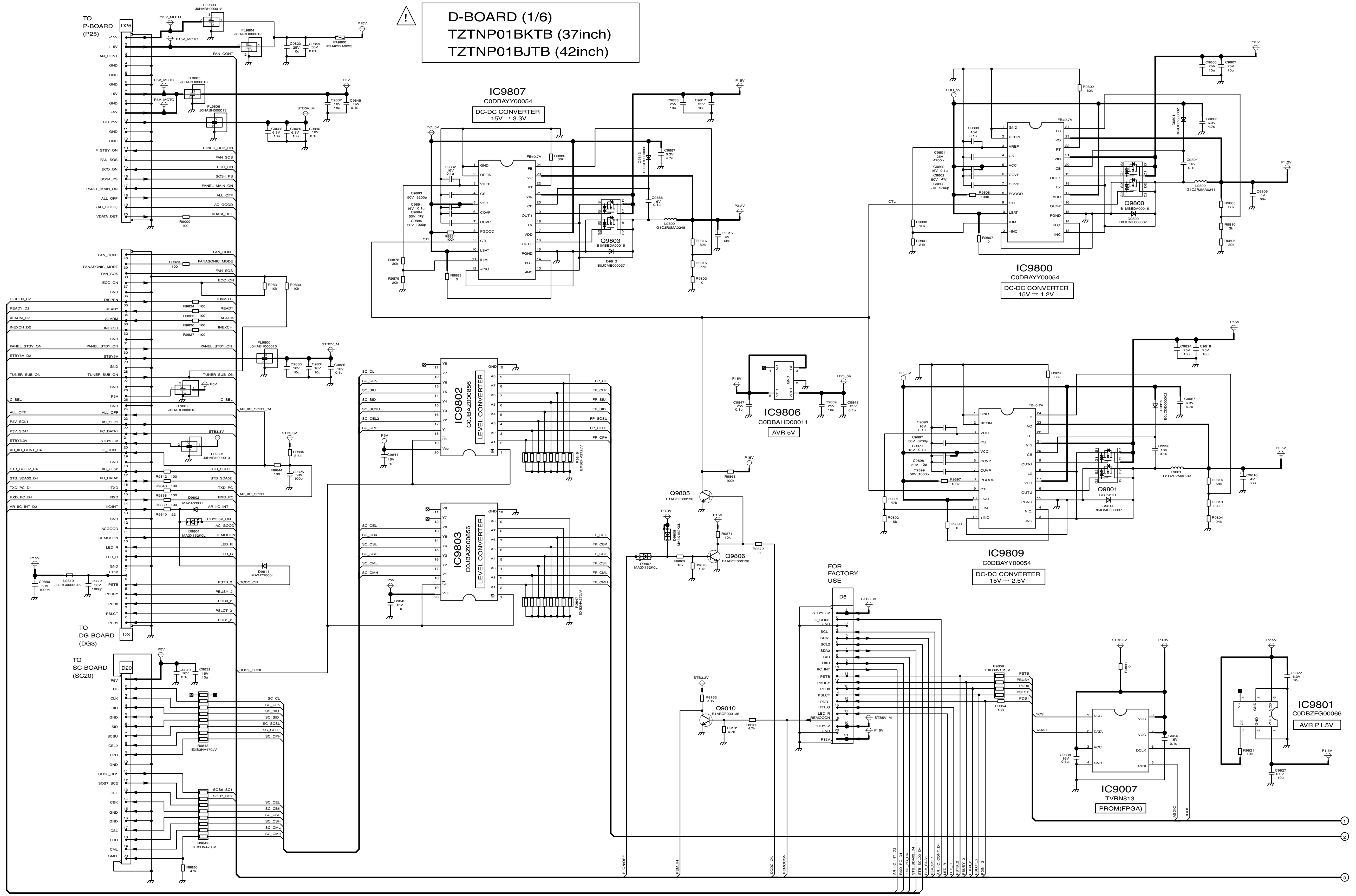
C2-BOARD TNPA3803AB (2/2)

TH-37PV60E, TH-37PX60B
C2-Board (2 of 2) Schematic Diagram

TH-37PV60E, TH-37PX60B
C2-Board (2 of 2) Schematic Diagram

C2-BOARD TNPA3813AB (2/2)

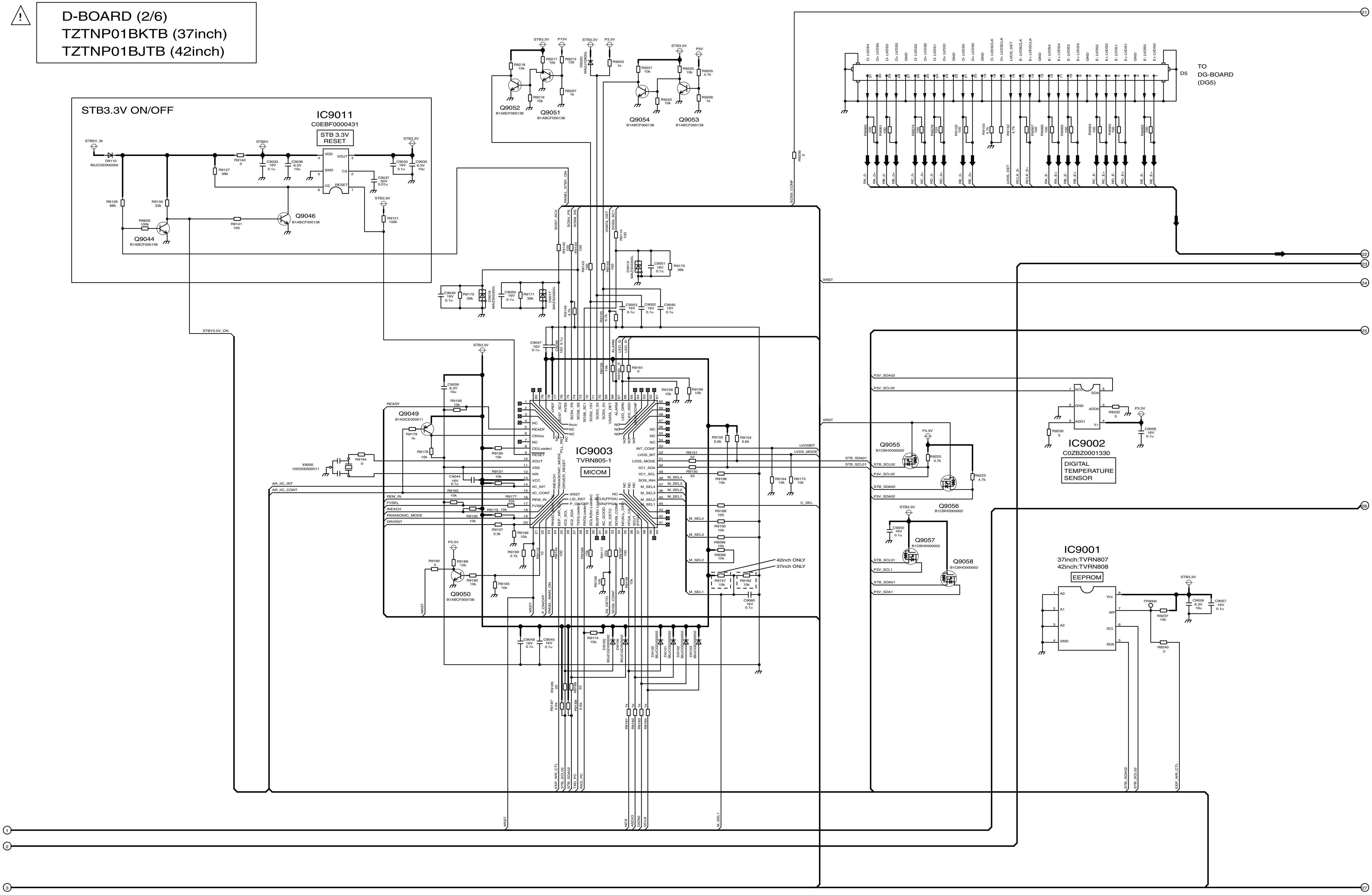

IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
IC7204
C0JBAZ002692
BUFFER
TO
SS-BOARD
(SS23)
C23
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
GND
NC
Vda75V
Vda75V
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_SOS8_SS
ZA7201
K4CD01000013
ZA7202
K4CD01000013
ZA7203
K4CD01000013
ZA7204
K4CD01000013
R7237
EXB38V102JV
R7238
EXB38V102JV
R7239
EXB38V102JV
R7240
EXB38V102JV
R7241
EXB38V102JV
R7242
EXB38V102JV
R7201
EXB38V470JV
R7202
EXB38V470JV
R7203
EXB38V470JV
R7204
EXB38V470JV
R7205
EXB38V470JV
R7206
EXB38V470JV
R7207
EXB38V470JV
R7216
EXB38V470JV
C7223
16V
0.1u
C7225
16V
0.1u
C7227
16V
0.1u
C2_5V
R7229
0
R7219
220k
C7217
50V
100p
C7220
50V
100p
CB7
TO
PANEL DATA
DRIVER
CB8
TO
PANEL DATA
DRIVER
C7205
100V
0.47u
C7216
16V
1u
R7221
47
R7226
6.8
R7225
6.8
R7224
6.8
R7223
6.8
R7227
47
C7207
16V
1u
C7208
100V
0.47u
C7212
100V
0.47u
C7219
16V
1u
R7231
47
R7235
6.8
R7234
6.8
R7233
6.8
R7232
6.8
R7236
47
C7214
16V
1u
C7215
100V
0.47u
R7269
1k
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
FDET1


D-BOARD (1/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)
IC9807
C0DBAYY00054
DC-DC CONVERTER
15V → 3.3V
IC9800
C0DBAYY00054
DC-DC CONVERTER
15V → 1.2V
IC9809
C0DBAYY00054
DC-DC CONVERTER
15V → 2.5V
IC9806
C0DBAHD00011
AVR 5V
IC9802
C0JBAZ000856
LEVEL CONVERTER
IC9803
C0JBAZ000856
LEVEL CONVERTER
IC9007
TVRN813
PROM(FPGA)
IC9801
C0DBZFG00066
AVR P1.5V
TO P-BOARD (P25)
D25
TO DG-BOARD (DG3)
D3
TO SC-BOARD (SC20)
D20
FOR FACTORY USE
D6
Q9803
B1MBEDA00015
Q9800
B1MBEDA00015
Q9801
SP8K2TB
Q9805
B1ABCF000138
Q9806
B1ABCF000138
Q9010
B1ABCF000138
P15V
P3.3V
P1.2V
P2.5V
P1.5V
P5V
STB3.3V
STB5V_M
LDO_5V
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PV60E, TH-37/42PX60B D-Board (1 of 6) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B
D-Board (1 of 6) Schematic Diagram

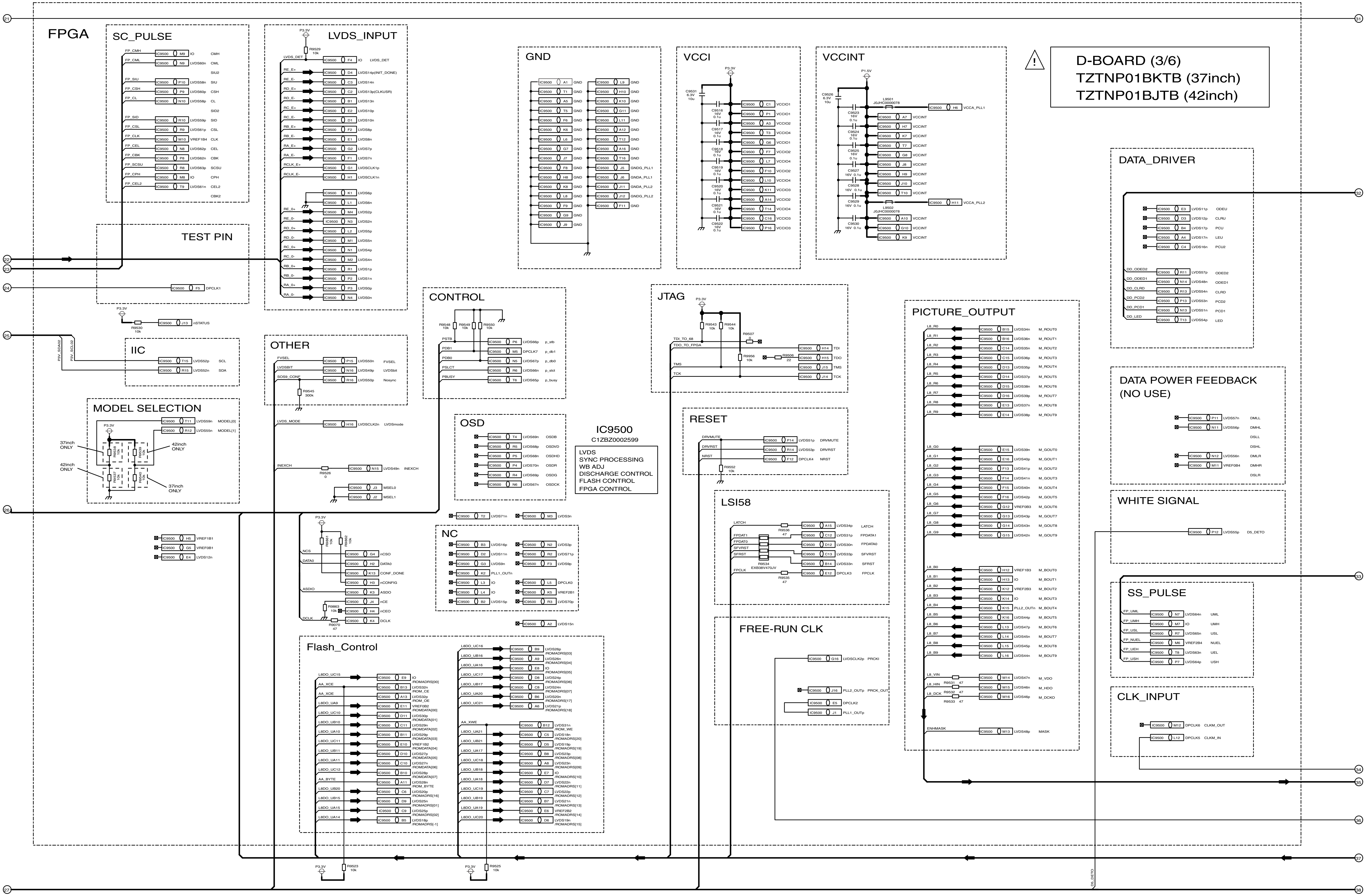
D-BOARD (2/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)



STB3.3V ON/OFF
IC9011
C0EBF0000431
STB 3.3V RESET
Q9044
Q9046
Q9049
Q9050
Q9051
Q9052
Q9053
Q9054
IC9003
TVRN805-1
MICOM
IC9002
C0ZBZ0001330
DIGITAL TEMPERATURE SENSOR
Q9055
Q9056
Q9057
Q9058
IC9001
37inch:TVRN807
42inch:TVRN808
EEPROM
X9000
D5
TO DG-BOARD (DG5)
42inch ONLY
37inch ONLY
STBY3.3V_ON
XRST
AR_IIC_INT
AR_IIC_CONT
READY
REM_IN
FVSEL
INEXCH
PANASONIC_MODE
DRVRST
LVDSBIT
LVDS_MODE
STB_SDA01
STB_SCL01
C_SEL
M_SEL1
M_SEL2
M_SEL3
M_SEL4
P3V_SDA02
P3V_SCL02
P3V_SCL1
P3V_SDA1
STB_SDA02
STB_SCL02
EEP_WR_CTL
SOS9_CONF
PANEL_STBY_ON
P_ON/OFF
PANEL_MAIN_ON
1
2
3
21
22
23
24
25
26
27

TH-37/42PV60E, TH-37/42PX60B
D-Board (2 of 6) Schematic Diagram

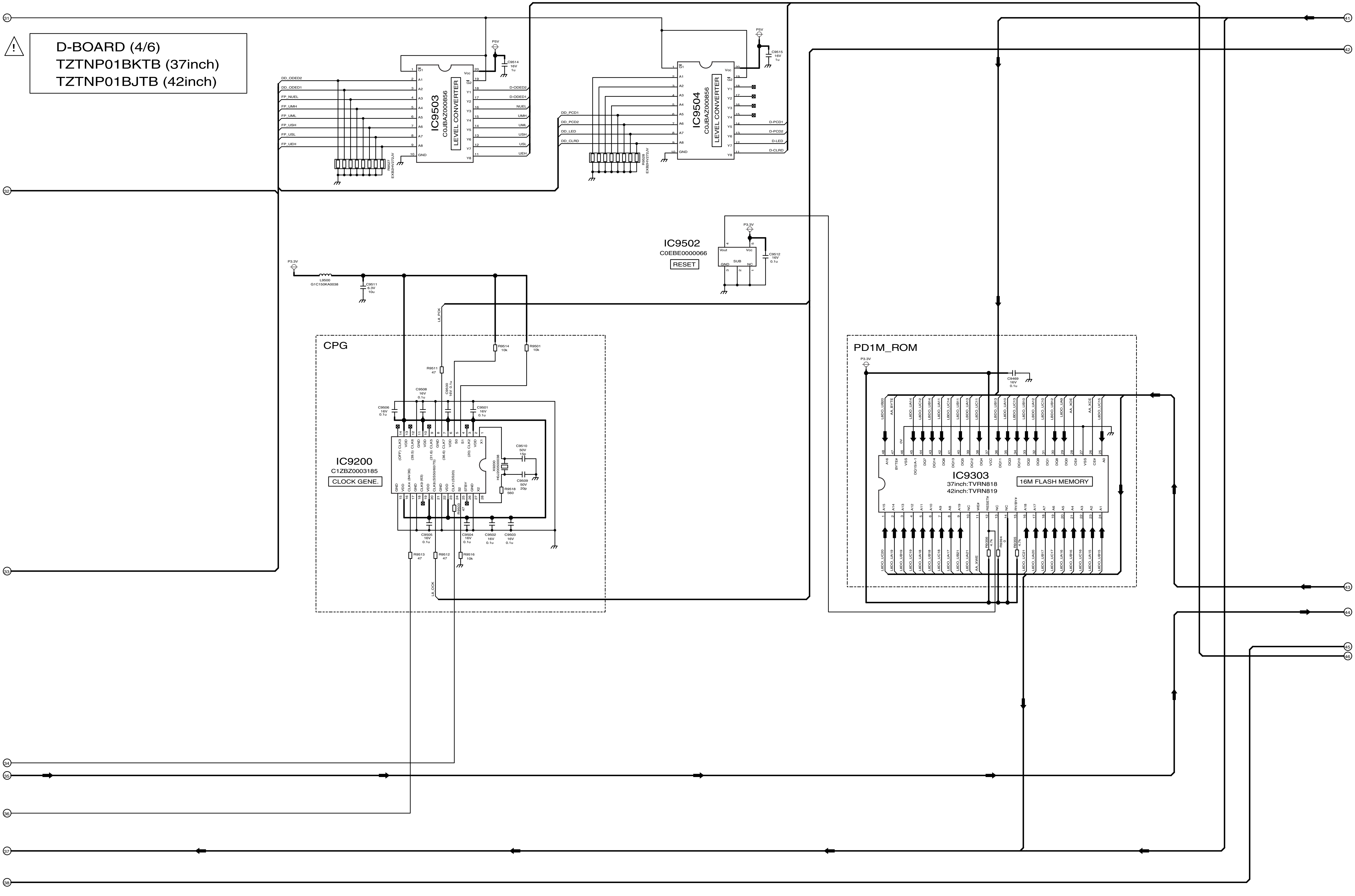
TH-37/42PV60E, TH-37/42PX60B
D-Board (2 of 6) Schematic Diagram


FPGA
SC_PULSE
LVDS_INPUT
GND
VCCI
VCCINT
D-BOARD (3/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)
DATA_DRIVER
TEST PIN
CONTROL
JTAG
PICTURE_OUTPUT
IIC
OTHER
MODEL SELECTION
37inch ONLY
42inch ONLY
42inch ONLY
37inch ONLY
OSD
IC9500
C1ZBZ0002599
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
RESET
DATA POWER FEEDBACK
(NO USE)
WHITE SIGNAL
LSI58
NC
FREE-RUN CLK
SS_PULSE
Flash_Control
CLK_INPUT
P3.3V
P1.5V

TH-37/42PV60E, TH-37/42PX60B
D-Board (3 of 6) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B
D-Board (3 of 6) Schematic Diagram

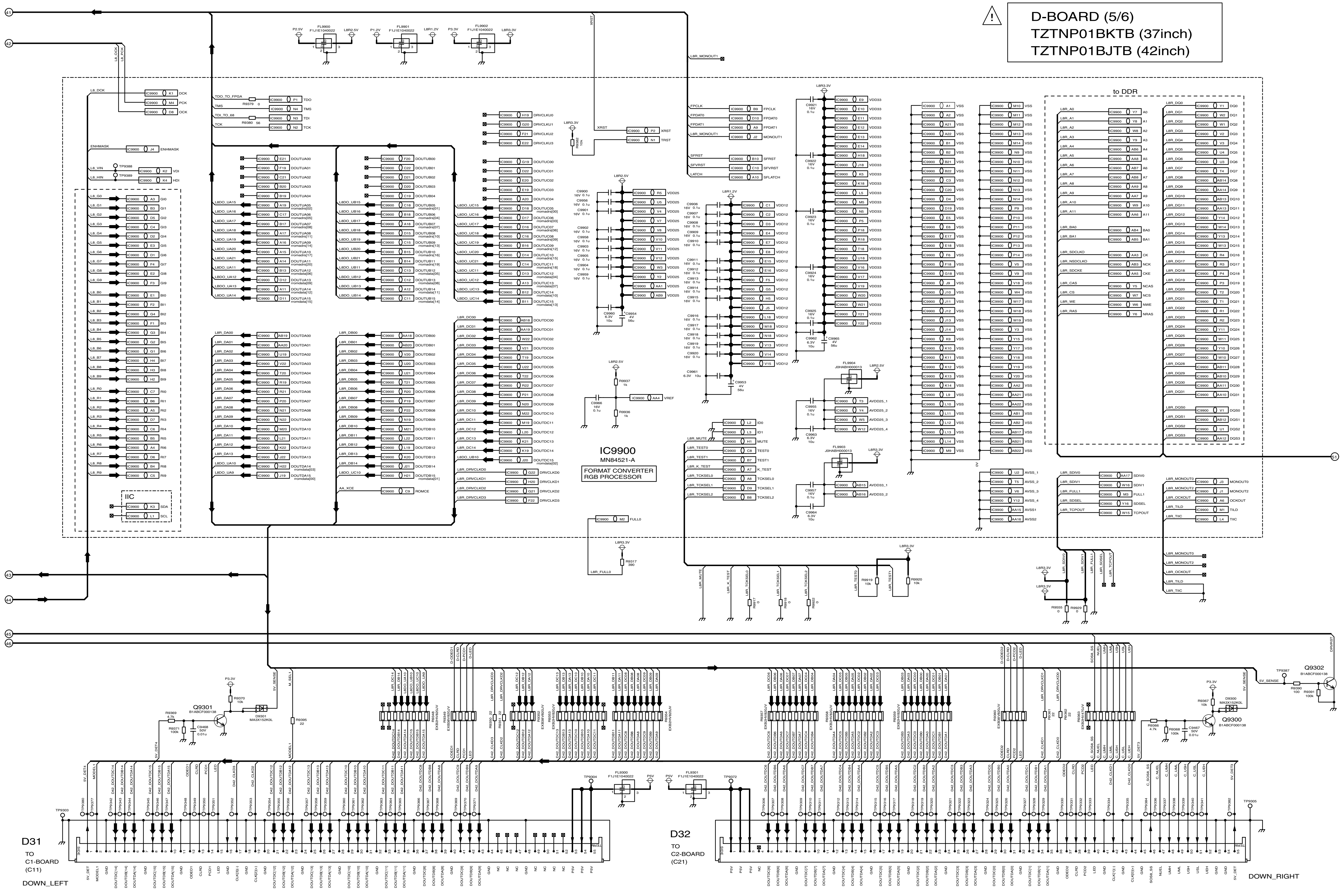
D-BOARD (4/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)


IC9503
C0JBAZ000856
LEVEL CONVERTER
DD_ODED2
DD_ODED1
FP_NUEL
FP_UMH
FP_UML
FP_USH
FP_USL
FP_UEH
D-ODED2
D-ODED1
NUEL
UMH
UML
USH
USL
UEH
P5V
C9514
IC9504
C0JBAZ000856
LEVEL CONVERTER
DD_PCD1
DD_PCD2
DD_LED
DD_CLRD
D-PCD1
D-PCD2
D-LED
D-CLRD
C9515
IC9502
C0EBE0000066
RESET
P3.3V
C9512
Vout
Vcc
GND
SUB
NC
L9500
G1C150KA0038
C9511
CPG
IC9200
C1ZBZ0003185
CLOCK GENE.
R9511
R9514
R9501
C9506
C9508
C9500
C9501
C9510
C9509
X9200
R9518
C9505
C9504
C9502
C9503
R9513
R9512
R9516
L8_PCK
L8_OCK
PD1M_ROM
IC9303
37inch:TVRN818
42inch:TVRN819
16M FLASH MEMORY
C9469
R9395
R9394
R9393
28
29
30
31
32
33
34
35
36

TH-37/42PV60E, TH-37/42PX60B
D-Board (4 of 6) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B
D-Board (4 of 6) Schematic Diagram

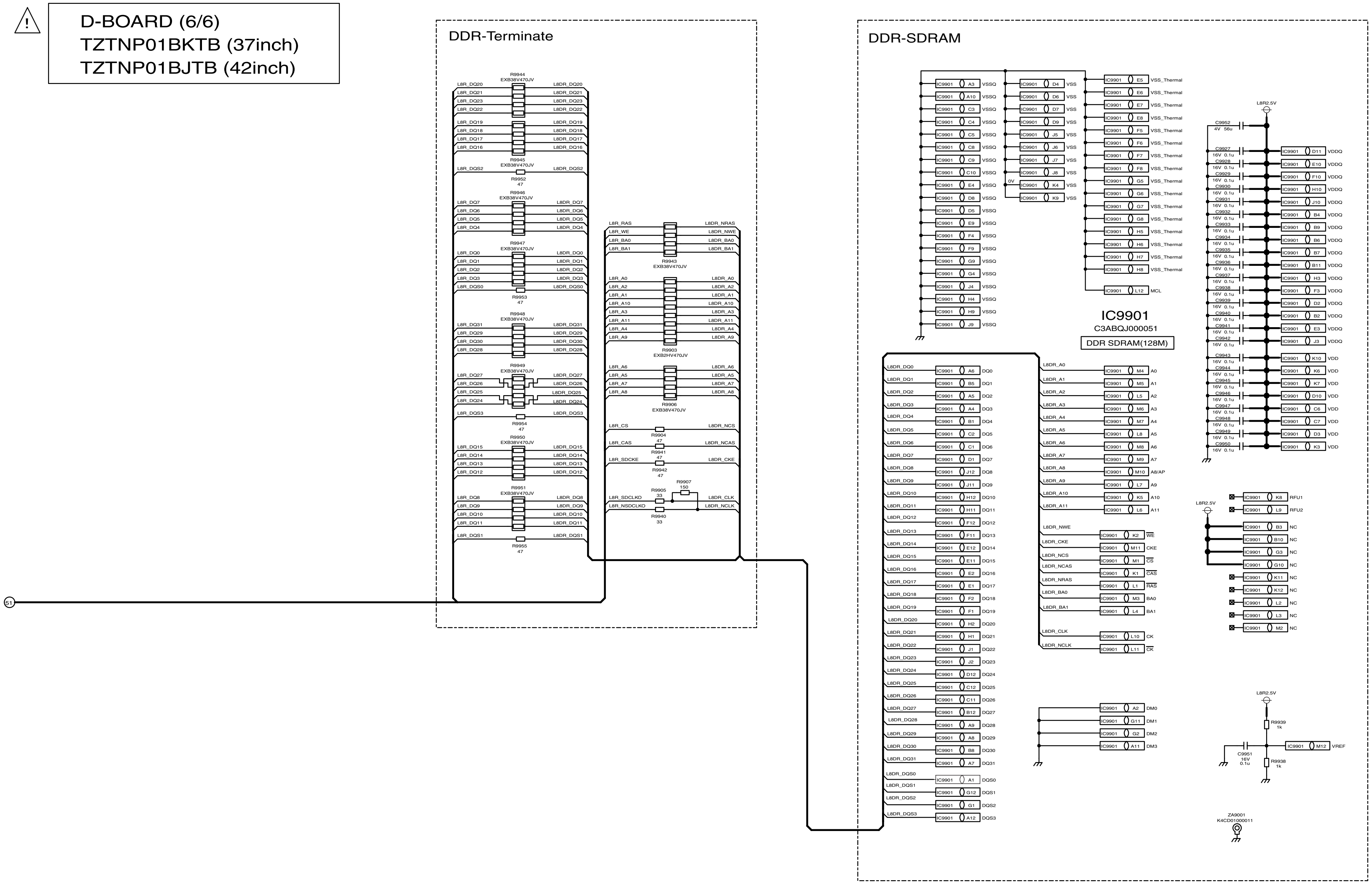
D-BOARD (5/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)

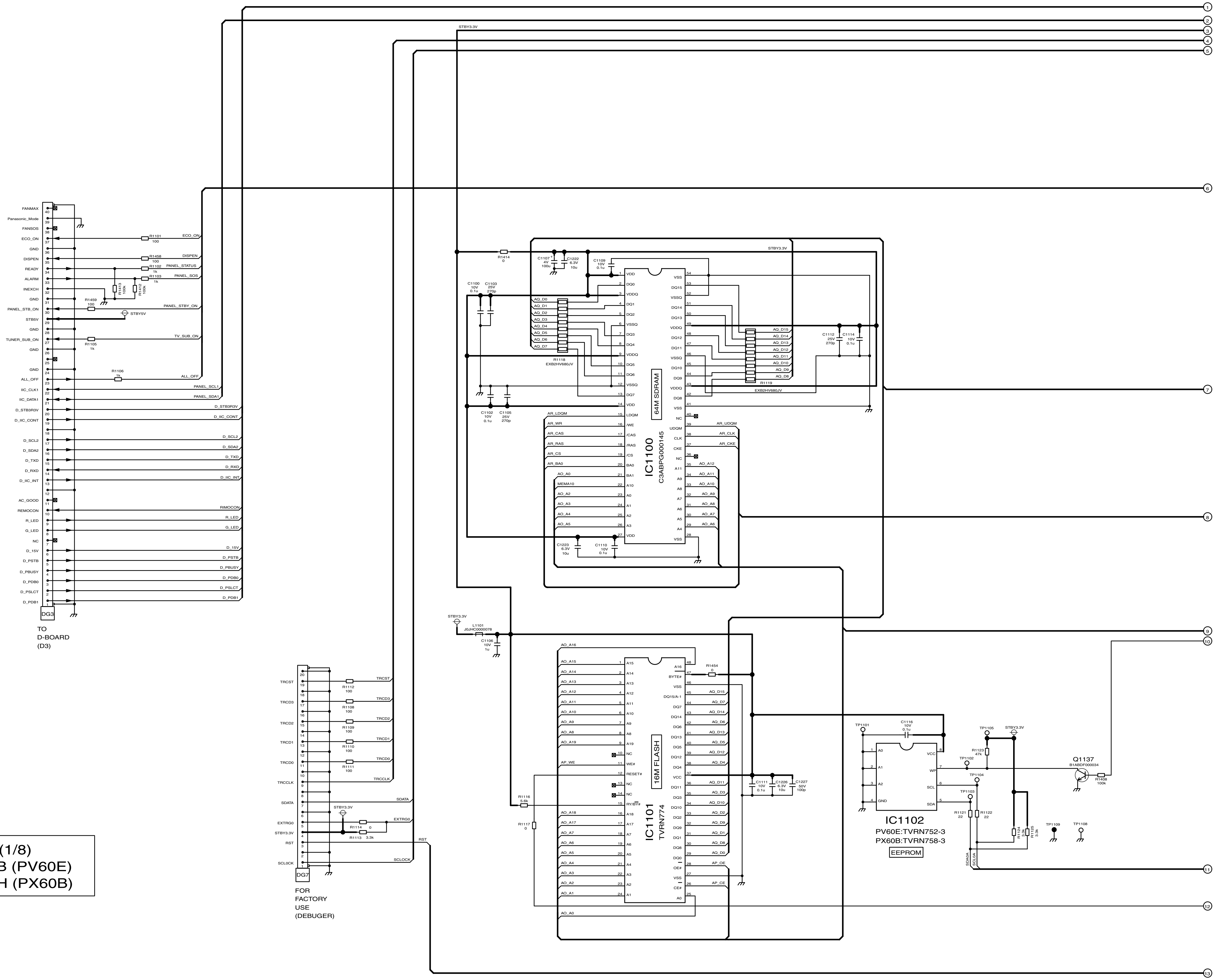

IC9900
MN84521-A
FORMAT CONVERTER
RGB PROCESSOR
to DDR
IIC
FL9900
FL9901
FL9902
FL9903
FL9904
FL9300
FL9301
Q9300
Q9301
Q9302
D9300
D9301
D31
TO
C1-BOARD
(C11)
DOWN_LEFT
D32
TO
C2-BOARD
(C21)
DOWN_RIGHT

TH-37/42PV60E, TH-37/42PX60B D-Board (5 of 6) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B D-Board (5 of 6) Schematic Diagram

D-BOARD (6/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)

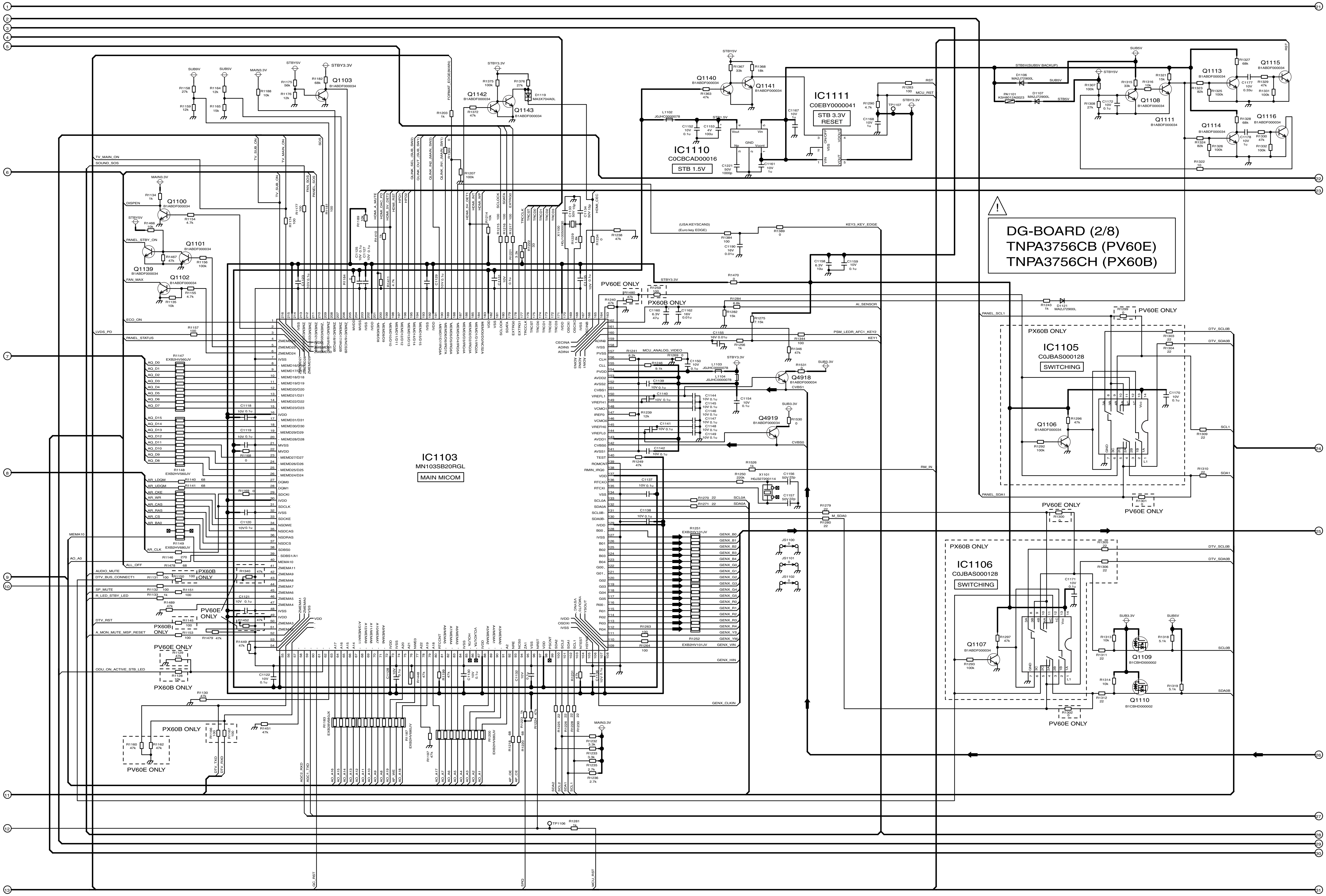

DDR-Terminate
DDR-SDRAM
S1
R9944 EXB38V470JV
R9945 EXB38V470JV
R9946 EXB38V470JV
R9947 EXB38V470JV
R9948 EXB38V470JV
R9949 EXB38V470JV
R9950 EXB38V470JV
R9951 EXB38V470JV
R9952 47
R9953 47
R9954 47
R9955 47
R9943 EXB38V470JV
R9903 EXB2HV470JV
R9906 EXB38V470JV
R9904 47
R9941 47
R9942 47
R9905 33
R9940 33
R9907 150
L8R_RAS
L8R_WE
L8R_BA0
L8R_BA1
L8R_CS
L8R_CAS
L8R_SDCKE
L8R_SDCLKO
L8R_NSDCLKO
L8DR_NRAS
L8DR_NWE
L8DR_BA0
L8DR_BA1
L8DR_NCS
L8DR_NCAS
L8DR_CKE
L8DR_CLK
L8DR_NCLK
IC9901
C3ABQJ000051
DDR SDRAM(128M)
VSSQ
VSS
VSS_Thermal
MCL
VDDQ
VDD
RFU1
RFU2
NC
DM0
DM1
DM2
DM3
VREF
L8R2.5V
C9952 4V 56u
C9951 16V 0.1u
R9939 1k
R9938 1k
ZA9001 K4CD01000011


FANMAX
Panasonic_Mode
FANSOS
ECO_ON
GND
DISPEN
READY
ALARM
INEXCH
PANEL_STB_ON
STB5V
TUNER_SUB_ON
ALL_OFF
IIC_CLK1
IIC_DATA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
AC_GOOD
REMOCON
R_LED
G_LED
NC
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
DG3
TO
D-BOARD
(D3)
R1101 100
R1458 100
R1102 1k
R1103 1k
R1413 100k
R1412 100k
R1459 100
R1105 1k
R1106 1k
ECO_ON
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STBY_ON
STBY5V
TV_SUB_ON
ALL_OFF
PANEL_SCL1
PANEL_SDA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
RIMOCON
R_LED
G_LED
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
STBY3.3V
R1414 0
C1107 4V 100u
C1222 6.3V 10u
C1109 10V 0.1u
C1100 10V 0.1u
C1103 25V 270p
C1102 10V 0.1u
C1105 25V 270p
AQ_D0
AQ_D1
AQ_D2
AQ_D3
AQ_D4
AQ_D5
AQ_D6
AQ_D7
R1118 EXB2HV680JV
AQ_D15
AQ_D14
AQ_D13
AQ_D12
AQ_D11
AQ_D10
AQ_D9
AQ_D8
R1119 EXB2HV680JV
C1112 25V 270p
C1114 10V 0.1u
AR_LDQM
AR_WR
AR_CAS
AR_RAS
AR_CS
AR_BA0
AO_A0
MEMA10
AO_A2
AO_A3
AO_A4
AO_A5
AR_UDQM
AR_CLK
AR_CKE
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A7
AO_A6
C1223 6.3V 10u
C1110 10V 0.1u
64M SDRAM
IC1100
C3ABPG000145
VDD DQ0 VDDQ DQ1 DQ2 VSSQ DQ3 DQ4 VDDQ DQ5 DQ6 VSSQ DQ7 VDD LDQM /WE /CAS /RAS /CS BA0 BA1 A10 A0 A1 A2 A3 VDD
VSS DQ15 VSSQ DQ14 DQ13 VDDQ DQ12 DQ11 VSSQ DQ10 DQ9 VDDQ DQ8 VSS NC UDQM CLK CKE NC A11 A9 A8 A7 A6 A5 A4 VSS
TRCST
TRCD3
TRCD2
TRCD1
TRCD0
TRCCLK
SDATA
EXTRG0
STBY3.3V
RST
SCLOCK
R1112 100
R1108 100
R1109 100
R1110 100
R1111 100
R1114 0
R1113 3.3k
DG7
FOR
FACTORY
USE
(DEBUGER)
L1101 J0JHC0000078
C1106 10V 1u
R1116 5.6k
R1117 0
AO_A16
AO_A15
AO_A14
AO_A13
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A19
AP_WE
AO_A18
AO_A17
AO_A7
AO_A6
AO_A5
AO_A4
AO_A3
AO_A2
AO_A1
AO_A0
R1454 0
AQ_D15
AQ_D7
AQ_D14
AQ_D6
AQ_D13
AQ_D5
AQ_D12
AQ_D4
AQ_D11
AQ_D3
AQ_D10
AQ_D2
AQ_D9
AQ_D1
AQ_D8
AQ_D0
AP_OE
AP_CE
C1111 10V 0.1u
C1226 6.3V 10u
C1227 50V 100p
16M FLASH
IC1101
TVRN774
A15 A14 A13 A12 A11 A10 A9 A8 A19 NC WE# RESET# NC NC RY/BY# A18 A17 A7 A6 A5 A4 A3 A2 A1
A16 BYTE# VSS DQ15/A-1 DQ7 DQ14 DQ6 DQ13 DQ5 DQ12 DQ4 VCC DQ11 DQ3 DQ10 DQ2 DQ9 DQ1 DQ8 DQ0 OE# VSS CE# A0
TP1101
C1116 10V 0.1u
A0 A1 A2 GND VCC WP SCL SDA
IC1102
PV60E:TVRN752-3
PX60B:TVRN758-3
EEPROM
TP1105
STBY3.3V
R1123 47k
TP1102
TP1104
TP1103
R1121 22
R1122 22
R1124 3.3k
R1125 3.3k
SDA0A
SCL0A
TP1109
TP1108
Q1137
B1ABDF000034
R1408 100k
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

DG-BOARD (1/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)

TH-37/42PV60E, TH-37/42PX60B
DG-Board (1 of 8) Schematic Diagram

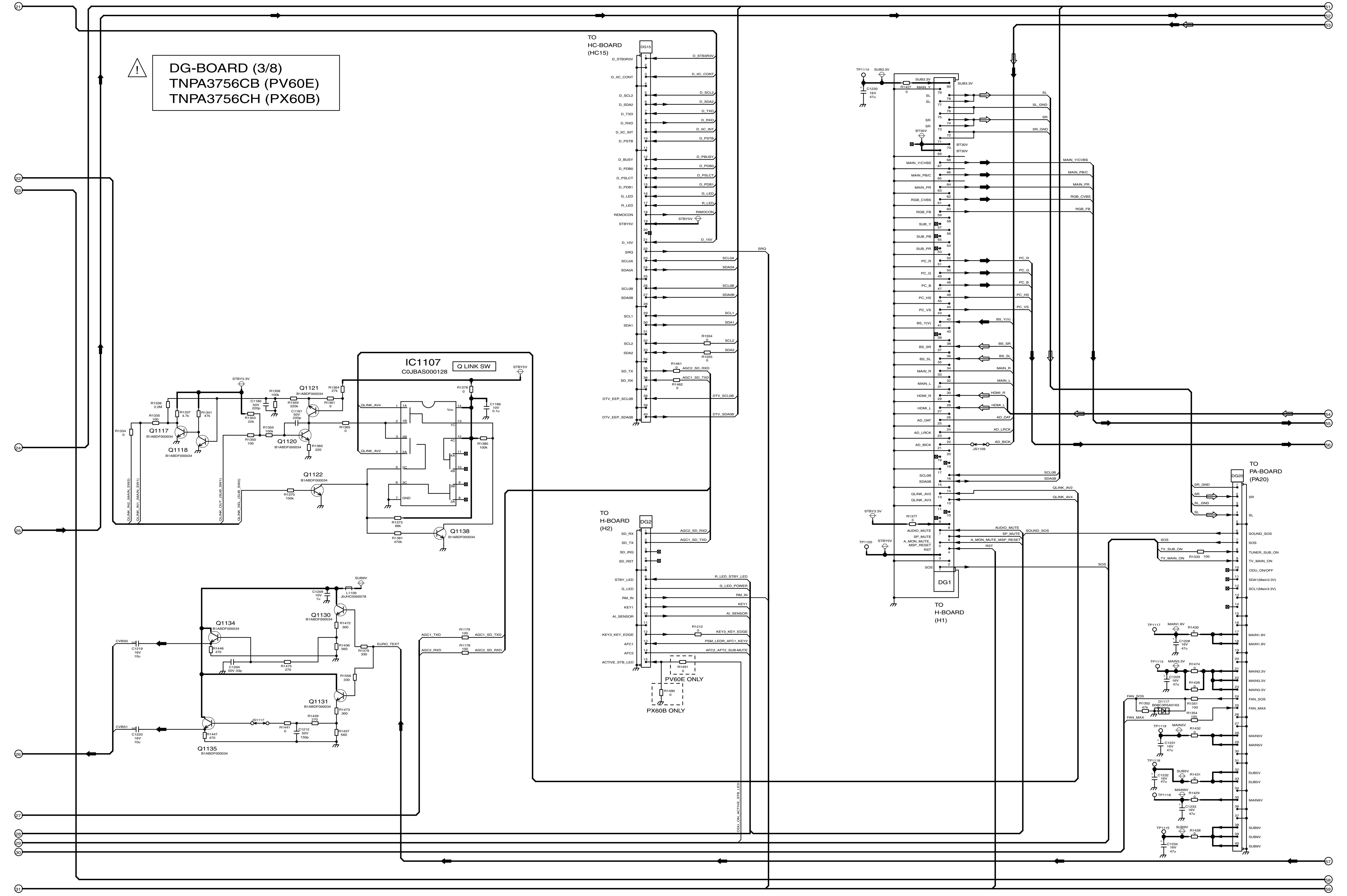
TH-37/42PV60E, TH-37/42PX60B DG-Board (1 of 8) Schematic Diagram


DG-BOARD (2/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
IC1103
MN103SB20RGL
MAIN MICOM
IC1110
C0CBCAD00016
STB 1.5V
IC1111
C0EBY0000041
STB 3.3V
RESET
IC1105
C0JBAS000128
SWITCHING
IC1106
C0JBAS000128
SWITCHING
PX60B ONLY
PV60E ONLY
Q1100
Q1101
Q1102
Q1103
Q1139
Q1140
Q1141
Q1142
Q1143
Q1106
Q1107
Q1108
Q1109
Q1110
Q1111
Q1113
Q1114
Q1115
Q1116
Q4918
Q4919

TH-37/42PV60E, TH-37/42PX60B DG-Board (2 of 8) Schematic Diagram

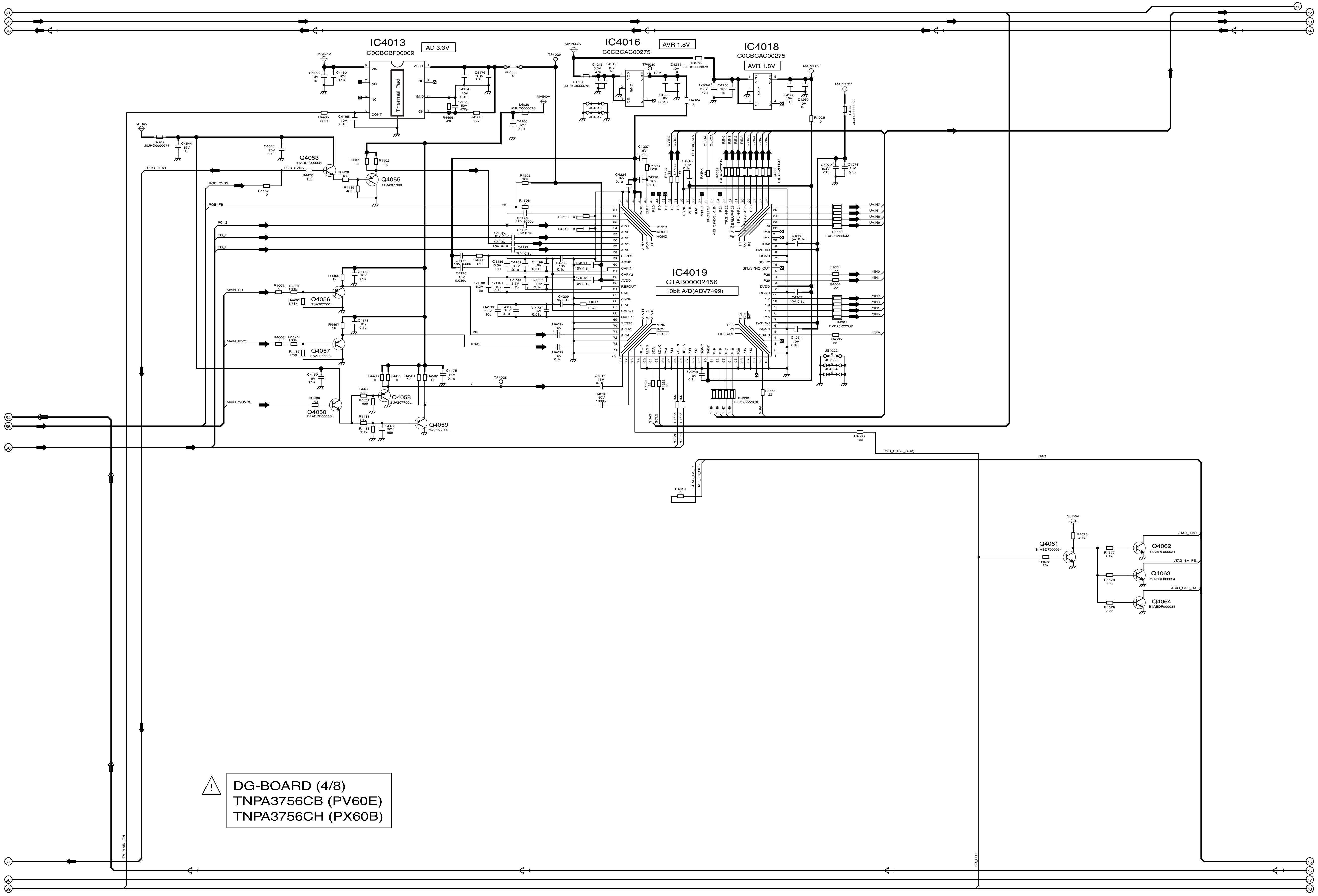
TH-37/42PV60E, TH-37/42PX60B DG-Board (2 of 8) Schematic Diagram

10 11 12 13 14 15 16 17 18


DG-BOARD (3/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
TO HC-BOARD (HC15)
DG15
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_BUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
STBY5V
D_15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_TX
SD_RX
DTV_EEP_SCL0B
DTV_EEP_SDA0B
IC1107
C0JBAS000128
Q LINK SW
STBY5V
STBY3.3V
Q1117
Q1118
Q1120
Q1121
Q1122
Q1138
B1ABDF000034
QLINK_AV4
QLINK_AV2
QLINK_IN2 (MAIN_SW2)
QLINK_IN1 (MAIN_SW1)
QLINK_OUT (SUB_SW1)
QLINK_SEL (SUB_SW2)
TO H-BOARD (H2)
DG2
AGC2_SD_RXD
AGC1_SD_TXD
SD_IRQ
SD_RST
STBY_LED
R_LED_STBY_LED
G_LED_POWER
RM_IN
KEY1
AI_SENSOR
KEY3_KEY_EDGE
AFC1
AFC2
PSM_LEDR_AFC1_KEY2
AFC2_AFT2_SUB-MUTE
ACTIVE_STB_LED
ODU_ON_ACTIVE_STB_LED
PV60E ONLY
PX60B ONLY
Q1130
Q1131
Q1134
Q1135
SUB9V
CVBS0
CVBS1
EURO_TEXT
AGC1_TXD
AGC2_RXD
AGC1_SD_TXD
AGC2_SD_RXD
JS1117
TO H-BOARD (H1)
DG1
SUB3.3V
TP1114
MAIN_Y
SL
SL_GND
SR
SR_GND
BT30V
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
RGB_CVBS
RGB_FB
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_G
PC_B
PC_HS
PC_VS
BS_Y(V)
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_R
HDMI_L
AD_DAT
AD_LRCK
AD_BICK
JS1109
QLINK_AV3
AUDIO_MUTE
SP_MUTE
A_MON_MUTE_MSP_RESET
RST
SOS
SOUND_SOS
TO PA-BOARD (PA20)
DG20
TV_SUB_ON
TV_MAIN_ON
TUNER_SUB_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
MAIN1.8V
MAIN3.3V
FAN_SOS
FAN_MAX
D1117
B0BC3R5A0163
MAIN5V
SUB5V
MAIN9V
SUB9V
TP1113
TP1115
TP1116
TP1117
TP1118
TP1119
TP1120
19
20
21
22
23
24
25
26
27

TH-37/42PV60E, TH-37/42PX60B DG-Board (3 of 8) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B DG-Board (3 of 8) Schematic Diagram



IC4013
C0CBCBF00009
AD 3.3V
Thermal Pad
VIN
VOUT
NC
GND
CN
CONT
IC4016
C0CBCAC00275
AVR 1.8V
IC4018
C0CBCAC00275
AVR 1.8V
MAIN5V
MAIN9V
MAIN3.3V
MAIN1.8V
SUB9V
SUB5V
TP4029
TP4030
TP4028
Q4053
B1ABDF000034
Q4055
2SA2070OL
Q4056
2SA2070OL
Q4057
2SA2070OL
Q4058
2SA2070OL
Q4050
B1ABDF000034
Q4059
2SA2070OL
IC4019
C1AB00002456
10bit A/D(ADV7499)
EURO_TEXT
RGB_CVBS
RGB_FB
PC_G
PC_B
PC_R
MAIN_PR
MAIN_PB/C
MAIN_Y/CVBS
FB
PR
PB/C
Y
UVIN7
UVIN1
UVIN8
UVIN9
YIN0
YIN1
YIN2
YIN3
YIN4
YIN5
HSIA
SYS_RST(L_3.3V)
JTAG
JTAG_BA_FS
JTAG_FS_GC5
JTAG_TMS
JTAG_GC5_BA
Q4061
B1ABDF000034
Q4062
B1ABDF000034
Q4063
B1ABDF000034
Q4064
B1ABDF000034
TV_MAIN_ON
DG_RST
DG-BOARD (4/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
61
62
63
64
65
66
67
68
69
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72
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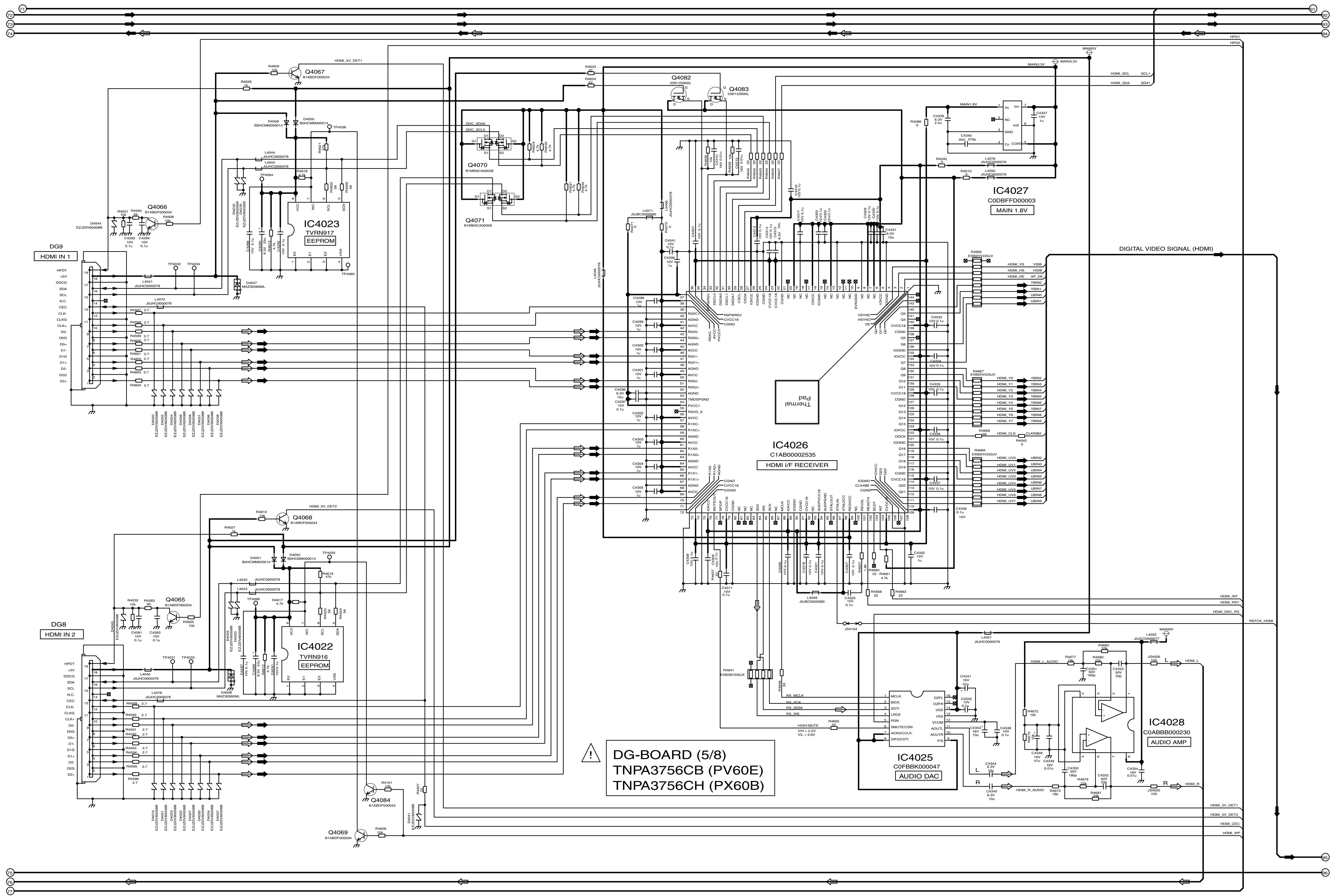
74
75
76
77
78

TH-37/42PV60E, TH-37/42PX60B DG-Board (4 of 8) Schematic Diagram

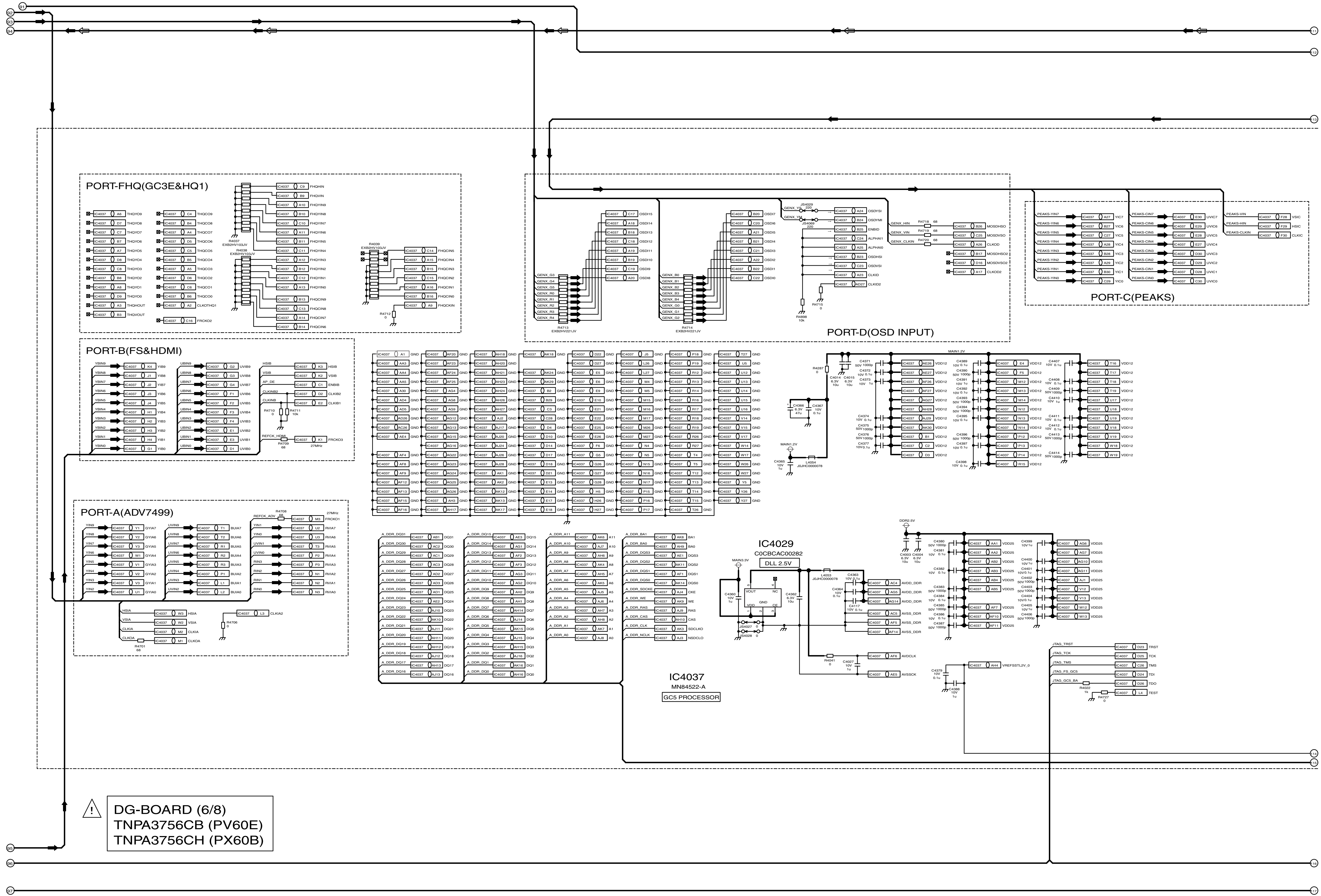
TH-37/42PV60E, TH-37/42PX60B DG-Board (4 of 8) Schematic Diagram

28 29 30 31 32 33 34 35 36


DG-BOARD (5/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
DG9
HDMI IN 1
DG8
HDMI IN 2
IC4023
TVRN917
EEPROM
IC4022
TVRN916
EEPROM
IC4026
C1AB00002535
HDMI I/F RECEIVER
Thermal Pad
IC4027
C0DBFFD00003
MAIN 1.8V
IC4025
C0FBBK000047
AUDIO DAC
IC4028
C0ABBB000230
AUDIO AMP
Q4065
Q4066
Q4067
Q4068
Q4069
Q4070
Q4071
Q4082
Q4083
Q4084
DIGITAL VIDEO SIGNAL (HDMI)
HDMI_5V_DET1
HDMI_5V_DET2
HDMI_SCL
HDMI_SDA
HDMI_INT
HDMI_RST
HDMI_DAC_PD
REFCK_HDMI
HDMI_CEC
HDMI_WP
HDMI_L_AUDIO
HDMI_R_AUDIO
HDMI_L
HDMI_R
HPD1
HPD2
MAIN5V
MAIN3.3V
MAIN1.8V
MAIN9V
HIGH:MUTE
VIH = 2.2V
VIL = 0.8V
RX_MCLK
RX_SCK
RX_SD0
RX_WS

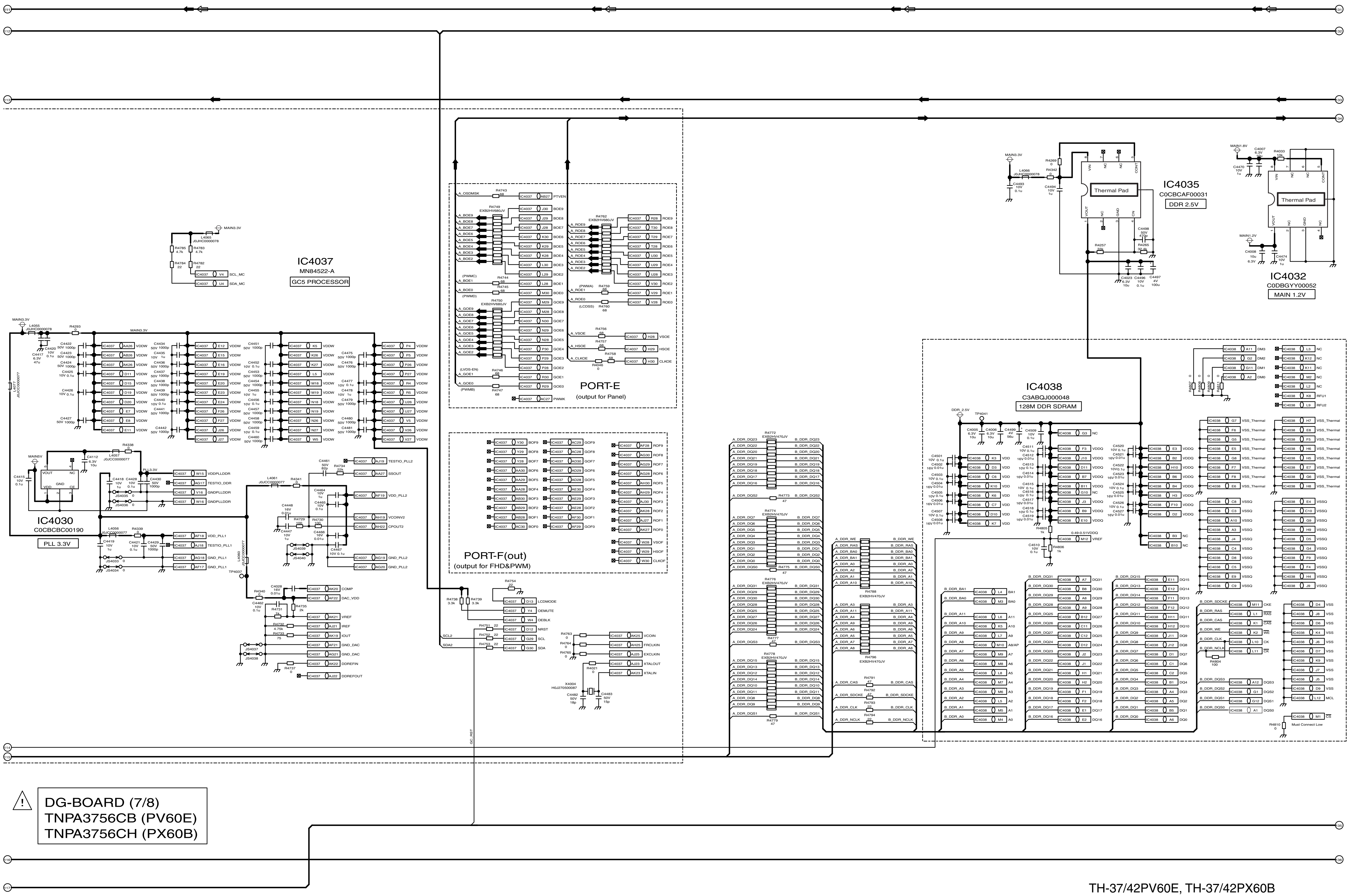
TH-37/42PV60E, TH-37/42PX60B DG-Board (5 of 8) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B DG-Board (5 of 8) Schematic Diagram


PORT-FHQ(GC3E&HQ1)
PORT-B(FS&HDMI)
PORT-A(ADV7499)
PORT-D(OSD INPUT)
PORT-C(PEAKS)
MAIN1.2V
DDR2.5V
MAIN3.3V
IC4029
C0CBCAC00282
DLL 2.5V
IC4037
MN84522-A
GC5 PROCESSOR
DG-BOARD (6/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)

TH-37/42PV60E, TH-37/42PX60B DG-Board (6 of 8) Schematic Diagram

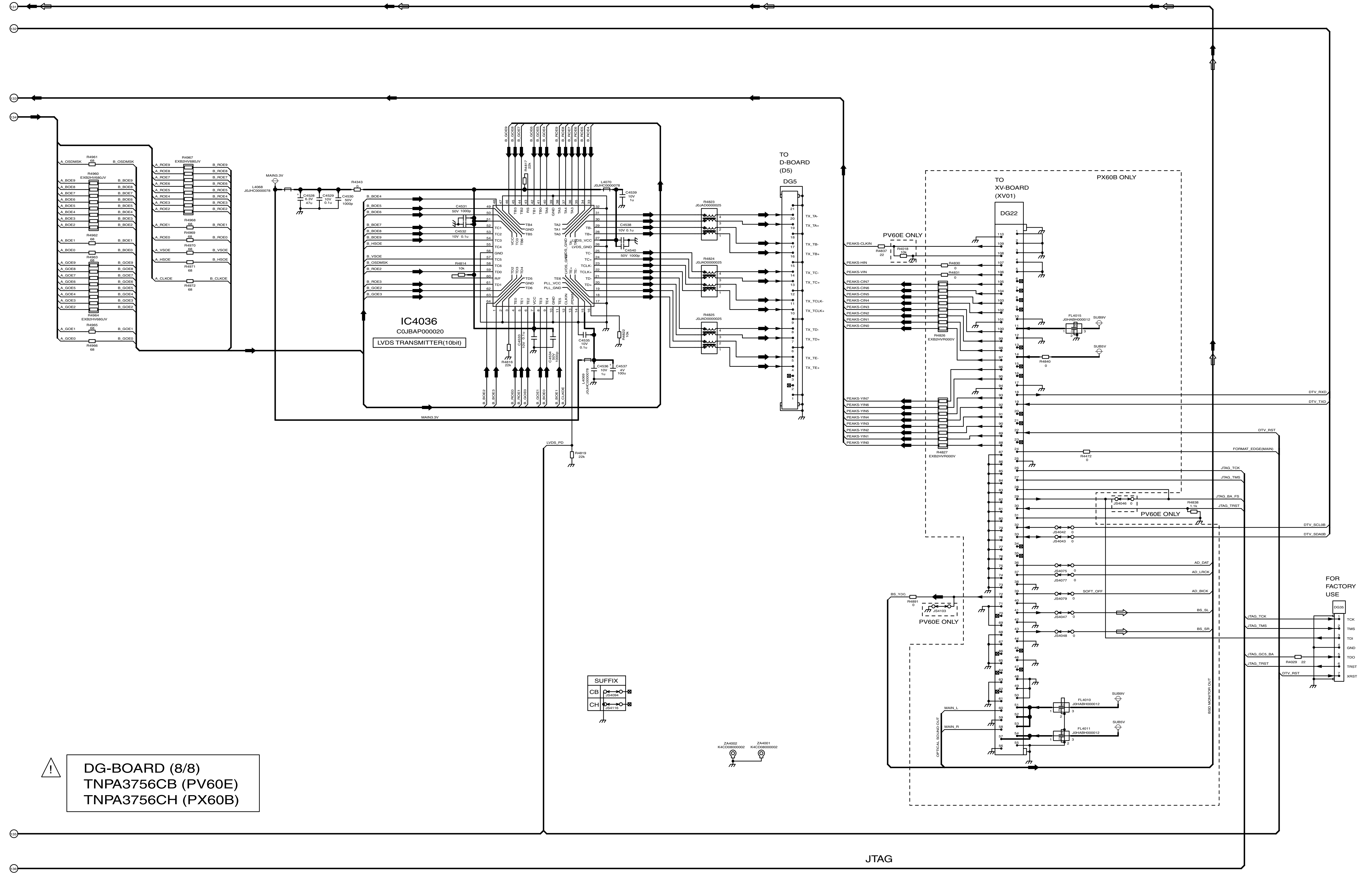
TH-37/42PV60E, TH-37/42PX60B DG-Board (6 of 8) Schematic Diagram


IC4037
MN84522-A
GC5 PROCESSOR
IC4030
C0CBCBC00190
PLL 3.3V
PORT-E
(output for Panel)
PORT-F(out)
(output for FHD&PWM)
IC4035
C0CBCAF00031
DDR 2.5V
Thermal Pad
IC4032
C0DBGYY00052
MAIN 1.2V
IC4038
C3ABQJ000048
128M DDR SDRAM
MAIN3.3V
MAIN1.8V
MAIN1.2V
MAIN5V
DDR_2.5V
PLL3.3V
Must Connect Low
DG-BOARD (7/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)

TH-37/42PV60E, TH-37/42PX60B DG-Board (7 of 8) Schematic Diagram

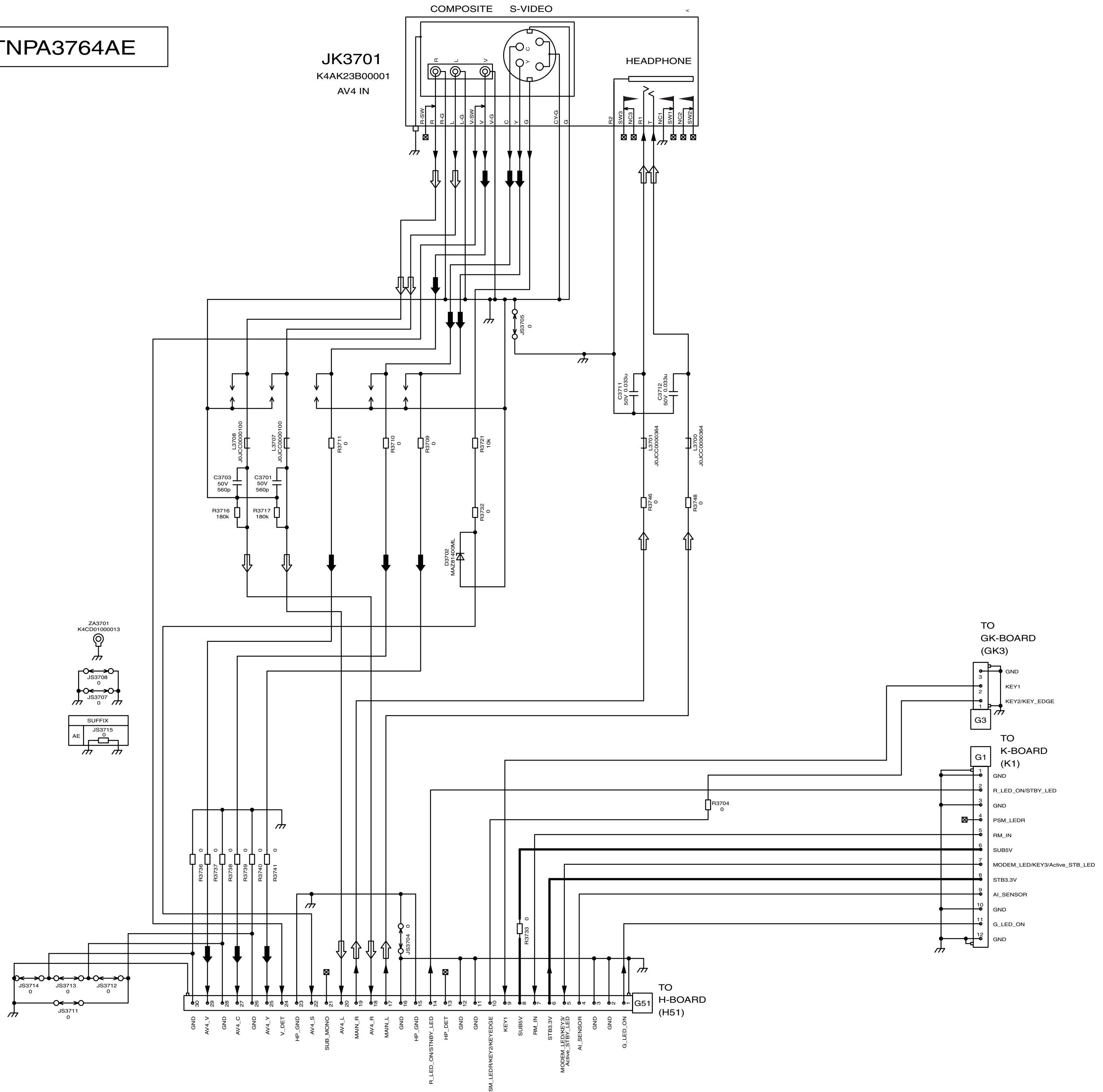
TH-37/42PV60E, TH-37/42PX60B
DG-Board (7 of 8) Schematic Diagram

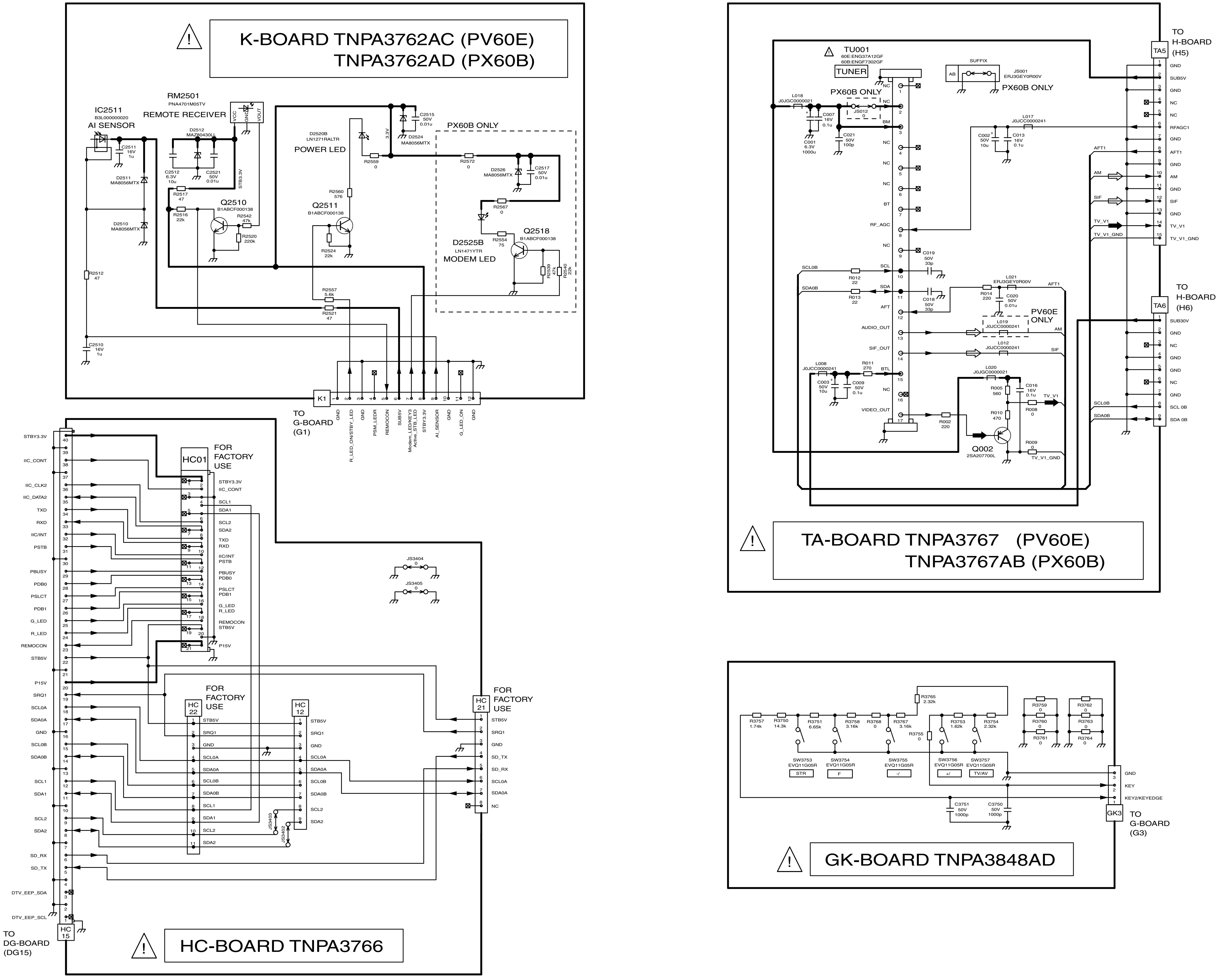
55 56 57 58 59 60 61 62 63


IC4036
C0JBAP000020
LVDS TRANSMITTER(10bit)
MAIN3.3V
LVDS_PD
TO
D-BOARD
(D5)
DG5
TX_TA-
TX_TA+
TX_TB-
TX_TB+
TX_TC-
TX_TC+
TX_TCLK-
TX_TCLK+
TX_TD-
TX_TD+
TX_TE-
TX_TE+
PX60B ONLY
TO
XV-BOARD
(XV01)
DG22
PV60E ONLY
PEAKS-CLKIN
PEAKS-HIN
PEAKS-VIN
DTV_RXD
DTV_TXD
DTV_RST
FORMAT_EDGE(MAIN)
JTAG_TCK
JTAG_TMS
JTAG_BA_FS
JTAG_TRST
DTV_SCL0B
DTV_SDA0B
AD_DAT
AD_LRCK
AD_BICK
SOFT_OFF
BS_SL
BS_SR
BS_Y(V)
MAIN_L
MAIN_R
OPTICAL_SOUND OUT
BSD MONITOR OUT
SUB9V
SUB5V
FOR
FACTORY
USE
DG35
TCK
TMS
TDI
GND
TDO
TRST
XRST
JTAG_GC5_BA
SUFFIX
CB
CH
JS4094
JS4116
ZA4002
ZA4001
K4CD08000002
JTAG

DG-BOARD (8/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)

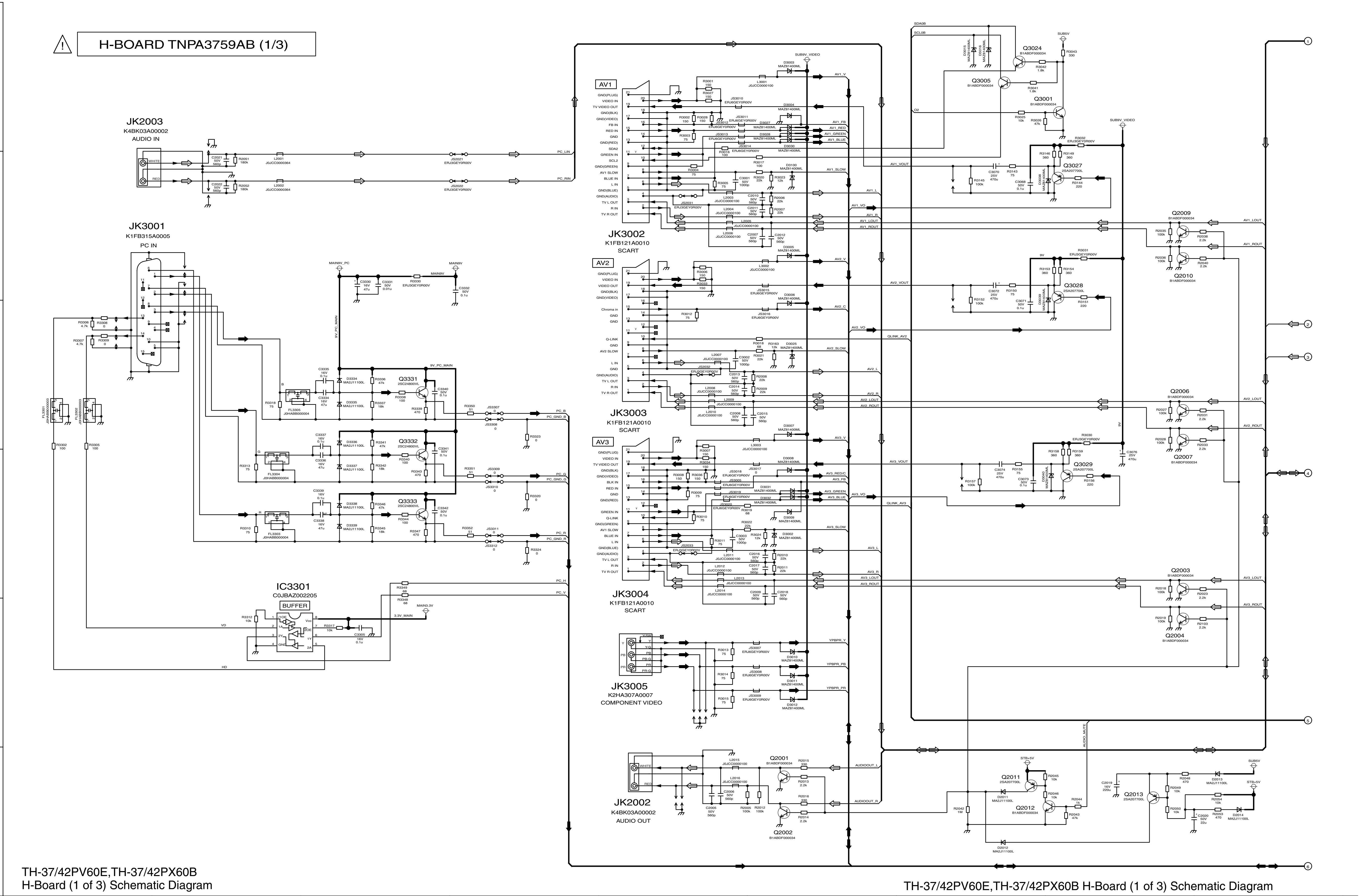
⚠ G-BOARD TNPA3764AE


COMPOSITE
S-VIDEO
HEADPHONE
JK3701
K4AK23B00001
AV4 IN
R
L
V
C
Y
R-SW
R
R-G
L
L-G
V-SW
V
V-G
C
Y
G
CY-G
G
R2
SW3
NC3
R1
T
NC1
SW1
NC2
SW2
JS3705
0
C3711
50V 0.033u
C3712
50V 0.033u
L3708
J0JCC0000100
L3707
J0JCC0000100
C3703
50V
560p
C3701
50V
560p
R3716
180k
R3717
180k
R3711
0
R3710
0
R3709
0
R3721
10k
R3732
0
D3702
MAZ81400ML
L3701
J0JCC0000364
L3700
J0JCC0000364
R3746
0
R3748
0
ZA3701
K4CD01000013
JS3708
0
JS3707
0
SUFFIX
AE
JS3715
0
R3736 0
R3737 0
R3738 0
R3739 0
R3740 0
R3741 0
JS3714
0
JS3713
0
JS3712
0
JS3711
0
JS3704
0
R3733
0
R3704
0
TO
GK-BOARD
(GK3)
G3
3
2
1
GND
KEY1
KEY2/KEY_EDGE
TO
K-BOARD
(K1)
G1
1 GND
2 R_LED_ON/STBY_LED
3 GND
4 PSM_LEDR
5 RM_IN
6 SUB5V
7 MODEM_LED/KEY3/Active_STB_LED
8 STB3.3V
9 AI_SENSOR
10 GND
11 G_LED_ON
12 GND
TO
H-BOARD
(H51)
G51
30 GND
29 AV4_V
28 GND
27 AV4_C
26 GND
25 AV4_Y
24 V_DET
23 HP_GND
22 AV4_S
21 SUB_MONO
20 AV4_L
19 MAIN_R
18 AV4_R
17 MAIN_L
16 GND
15 HP_GND
14 R_LED_ON/STNBY_LED
13 HP_DET
12 GND
11 GND
10 PSM_LEDR/KEY2/KEYEDGE
9 KEY1
8 SUB5V
7 RM_IN
6 STB3.3V
5 MODEM_LED/KEY3/Active_STBY_LED
4 AI_SENSOR
3 GND
2 GND
1 G_LED_ON
A
B
C
D
E
1
2
3
4
5
6
7
8


K-BOARD TNPA3762AC (PV60E)
TNPA3762AD (PX60B)
IC2511
B3L000000020
AI SENSOR
RM2501
PNA4701M05TV
REMOTE RECEIVER
POWER LED
D2520B
LN1271RALTR
PX60B ONLY
D2525B
LN1471YTR
MODEM LED
Q2510
Q2511
Q2518
K1
TO
G-BOARD
(G1)
GND
R_LED_ON/STBY_LED
PSM_LEDR
REMOCON
SUB5V
Modem_LED/KEY3
Active_STB_LED
STB3.3V
AI_SENSOR
G_LED_ON
TA-BOARD TNPA3767 (PV60E)
TNPA3767AB (PX60B)
TU001
60E:ENG37A12GF
60B:ENGF7302GF
TUNER
SUFFIX
JS001
ERJ3GEY0R00V
PX60B ONLY
PV60E ONLY
TA5
TO
H-BOARD
(H5)
TA6
TO
H-BOARD
(H6)
GND
SUB5V
NC
RFAGC1
AFT1
AM
SIF
TV_V1
TV_V1_GND
SUB30V
SCL 0B
SDA 0B
SCL
SDA
AFT
AUDIO_OUT
SIF_OUT
BTL
VIDEO_OUT
RF_AGC
BT
BM
Q002
2SA2077O0L
HC-BOARD TNPA3766
HC01
FOR
FACTORY
USE
HC
22
HC
12
HC
21
HC
15
TO
DG-BOARD
(DG15)
STBY3.3V
IIC_CONT
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
G_LED
R_LED
REMOCON
STB5V
P15V
SRQ1
SCL0A
SDA0A
GND
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_RX
SD_TX
DTV_EEP_SDA
DTV_EEP_SCL
JS3404
JS3405
JS3403
JS3402
GK-BOARD TNPA3848AD
SW3753
SW3754
SW3755
SW3756
SW3757
EVQ11G05R
STR
F
-/
+/
TV/AV
GK3
TO
G-BOARD
(G3)
KEY
KEY2/KEYEDGE

TH-37/42PV60E, TH-37/42PX60B GK, K, HC and TA-Board Schematic Diagram

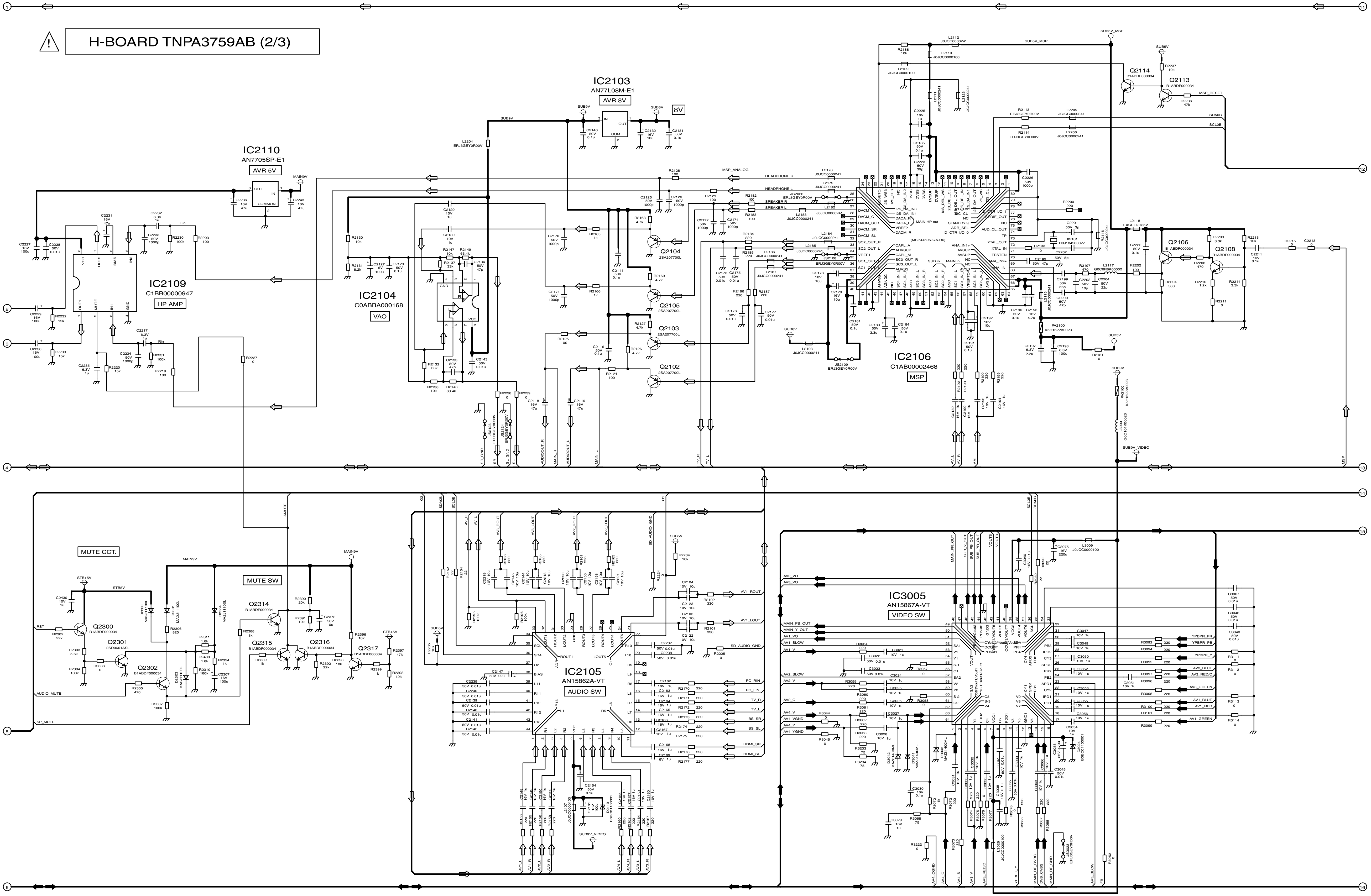
H-BOARD TNPA3759AB (1/3)


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
JK2003
K4BK03A00002
AUDIO IN
WHITE
RED
C2021 50V 560p
R2051 180k
C2022 50V 560p
R2052 180k
L2001 J0JCC0000364
L2002 J0JCC0000364
JS2021 ERJ3GEY0R00V
JS2022 ERJ3GEY0R00V
PC_LIN
PC_RIN
JK3001
K1FB315A0005
PC IN
R3306 4.7k
R3308 0
R3307 4.7k
R3309 0
MAIN9V_PC
C3330 16V 47u
C3331 50V 0.01u
R3330 ERJ3GEY0R00V
MAIN9V
C3332 50V 0.1u
9V_PC_MAIN
Q3331 2SC2480VL
Q3332 2SC2480VL
Q3333 2SC2480VL
FL3305 J0HABB000004
FL3304 J0HABB000004
FL3303 J0HABB000004
FL3301 J0HABB000003
FL3302 J0HABB000003
R3302 100
R3305 100
R3350 51
R3351 51
R3352 51
JS3307
JS3308
JS3309
JS3310
JS3311
JS3312
PC_B
PC_GND_B
PC_G
PC_GND_G
PC_R
PC_GND_R
R3323 0
R3320 0
R3324 0
PC_H
PC_V
R3349 68
R3348 68
IC3301
C0JBAZ002205
BUFFER
MAIN3.3V
3.3V_MAIN
R3312 10k
R3317 10k
C3305 16V 0.1u
VD
HD
AV1
JK3002
K1FB121A0010
SCART
AV2
JK3003
K1FB121A0010
SCART
AV3
JK3004
K1FB121A0010
SCART
JK3005
K2HA307A0007
COMPONENT VIDEO
JK2002
K4BK03A00002
AUDIO OUT
SUB9V_VIDEO
AV1_V
AV1_FB
AV1_RED
AV1_GREEN
AV1_BLUE
AV1_SLOW
AV1_L
AV1_VO
AV1_R
AV1_LOUT
AV1_ROUT
AV1_VOUT
AV2_V
AV2_VOUT
AV2_C
AV2_VO
QLINK_AV2
AV2_SLOW
AV2_L
AV2_R
AV2_LOUT
AV2_ROUT
AV3_V
AV3_VOUT
AV3_RED/C
AV3_FB
AV3_GREEN
AV3_BLUE
AV3_VO
QLINK_AV3
AV3_SLOW
AV3_L
AV3_R
AV3_LOUT
AV3_ROUT
YPBPR_Y
YPBPR_PB
YPBPR_PR
AUDIOOUT_L
AUDIOOUT_R
AUDIO_MUTE
SDA0B
SCL0B
SUB5V
Q3024 B1ABDF000034
Q3005 B1ABDF000034
Q3001 B1ABDF000034
Q3027 2SA2077OL
Q3028 2SA2077OL
Q3029 2SA2077OL
Q2009 B1ABDF000034
Q2010 B1ABDF000034
Q2006 B1ABDF000034
Q2007 B1ABDF000034
Q2003 B1ABDF000034
Q2004 B1ABDF000034
Q2001 B1ABDF000034
Q2002 B1ABDF000034
Q2011 2SA2077OL
Q2012 B1ABDF000034
Q2013 2SA2077OL
STB+5V
SUB5V
9V
1
2
3
4
5
6

TH-37/42PV60E,TH-37/42PX60B
H-Board (1 of 3) Schematic Diagram

TH-37/42PV60E,TH-37/42PX60B H-Board (1 of 3) Schematic Diagram

H-BOARD TNPA3759AB (2/3)



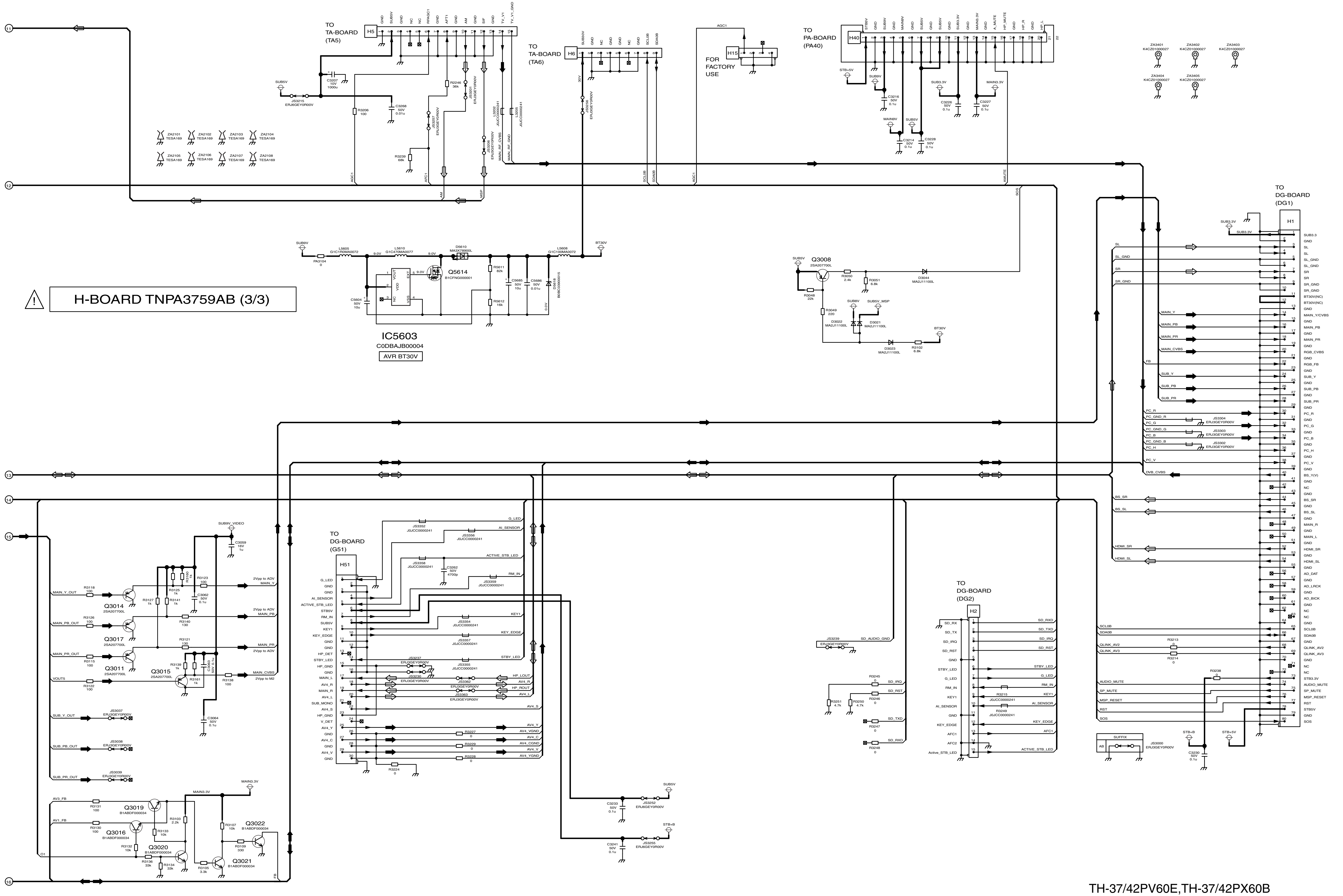
IC2103
AN77L08M-E1
AVR 8V
8V
IC2110
AN7705SP-E1
AVR 5V
IC2109
C1BB00000947
HP AMP
IC2104
C0ABBA000168
VAO
Q2104
Q2105
Q2103
Q2102
IC2106
C1AB00002468
MSP
Q2114
Q2113
Q2106
Q2108
MUTE CCT.
MUTE SW
Q2300
Q2301
Q2302
Q2314
Q2315
Q2316
Q2317
IC2105
AN15862A-VT
AUDIO SW
IC3005
AN15867A-VT
VIDEO SW
SUB9V
SUB8V
SUB5V
MAIN9V
STB+5V
SUB5V_MSP
SUB9V_VIDEO
MSP_ANALOG
HEADPHONE R
HEADPHONE L
SPEAKER R
SPEAKER L
MSP_RESET
SDA08
SCL08
AUDIO_MUTE
SP_MUTE
RST
AV1_ROUT
AV1_LOUT
SD_AUDIO_GND
PC_RIN
PC_LIN
TV_R
TV_L
BS_SR
BS_SL
HDMI_SR
HDMI_SL
AV2_VO
AV3_VO
MAIN_PB_OUT
MAIN_Y_OUT
AV1_VO
AV1_SLOW
AV1_V
AV2_SLOW
AV2_V
AV2_C
AV4_V
AV4_VGND
AV4_Y
AV4_YGND
YPBPR_PR
YPBPR_PB
YPBPR_Y
AV3_BLUE
AV3_RED/C
AV3_GREEN
AV1_BLUE
AV1_RED
AV1_GREEN
1
2
3
4
5
6
11
12
13
14
15
16

TH-37/42PV60E,TH-37/42PX60B H-Board (2 of 3) Schematic Diagram

TH-37/42PV60E,TH-37/42PX60B H-Board (2 of 3) Schematic Diagram

10 11 12 13 14 15 16 17 18

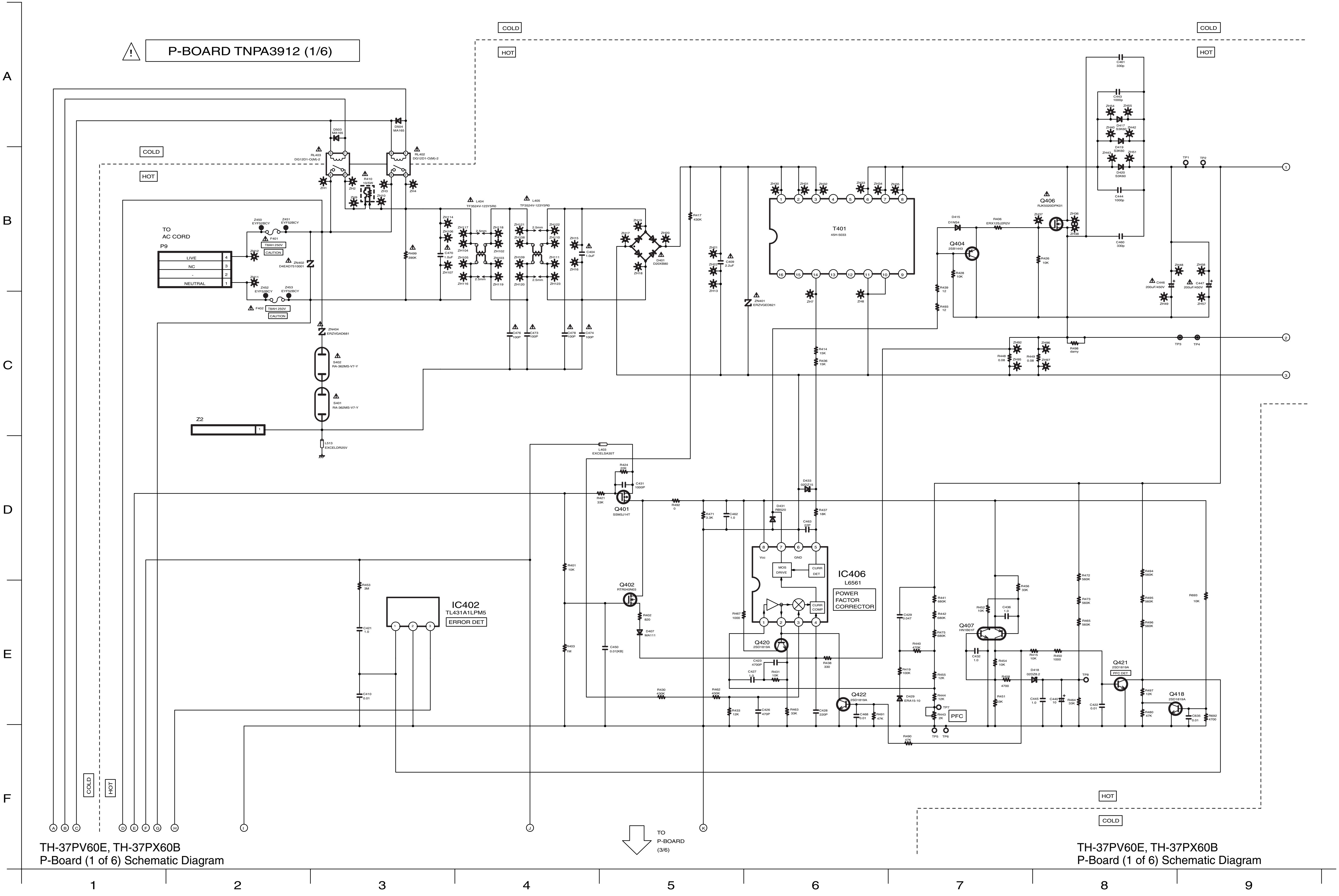
H-BOARD TNPA3759AB (3/3)



TO TA-BOARD (TA5)
H5
TO TA-BOARD (TA6)
H6
FOR FACTORY USE
H15
TO PA-BOARD (PA40)
H40
TO DG-BOARD (DG1)
H1
TO DG-BOARD (G51)
H51
TO DG-BOARD (DG2)
H2
IC5603
C0DBAJB00004
AVR BT30V
Q5614
B1CFNG000001
D5610
MA3X78900L
L5605
G1C1R0MA0072
L5610
G1C470MA0077
L5608
G1C100MA0072
Q3008
2SA207700L
Q3014
2SA207700L
Q3017
2SA207700L
Q3011
2SA207700L
Q3015
2SA207700L
Q3019
B1ABDF000034
Q3016
B1ABDF000034
Q3020
B1ABDF000034
Q3021
B1ABDF000034
Q3022
B1ABDF000034
ZA2101 TESA169
ZA2102 TESA169
ZA2103 TESA169
ZA2104 TESA169
ZA2105 TESA169
ZA2106 TESA169
ZA2107 TESA169
ZA2108 TESA169
ZA3401 K4CZ01000027
ZA3402 K4CZ01000027
ZA3403 K4CZ01000027
ZA3404 K4CZ01000027
ZA3405 K4CZ01000027
SUB5V
SUB9V
SUB3.3V
MAIN3.3V
MAIN9V
STB+5V
STB+B
BT30V
SUB9V_VIDEO
MAIN_Y_OUT
MAIN_PB_OUT
MAIN_PR_OUT
VOUT5
SUB_Y_OUT
SUB_PB_OUT
SUB_PR_OUT
AV3_FB
AV1_FB
2Vpp to ADV MAIN_Y
2Vpp to ADV MAIN_PB
MAIN_PR 2Vpp to ADV
MAIN_CVBS 2Vpp to M2
SUFFIX
AB
11
12
13
14
15
16

TH-37/42PV60E,TH-37/42PX60B H-Board (3 of 3) Schematic Diagram

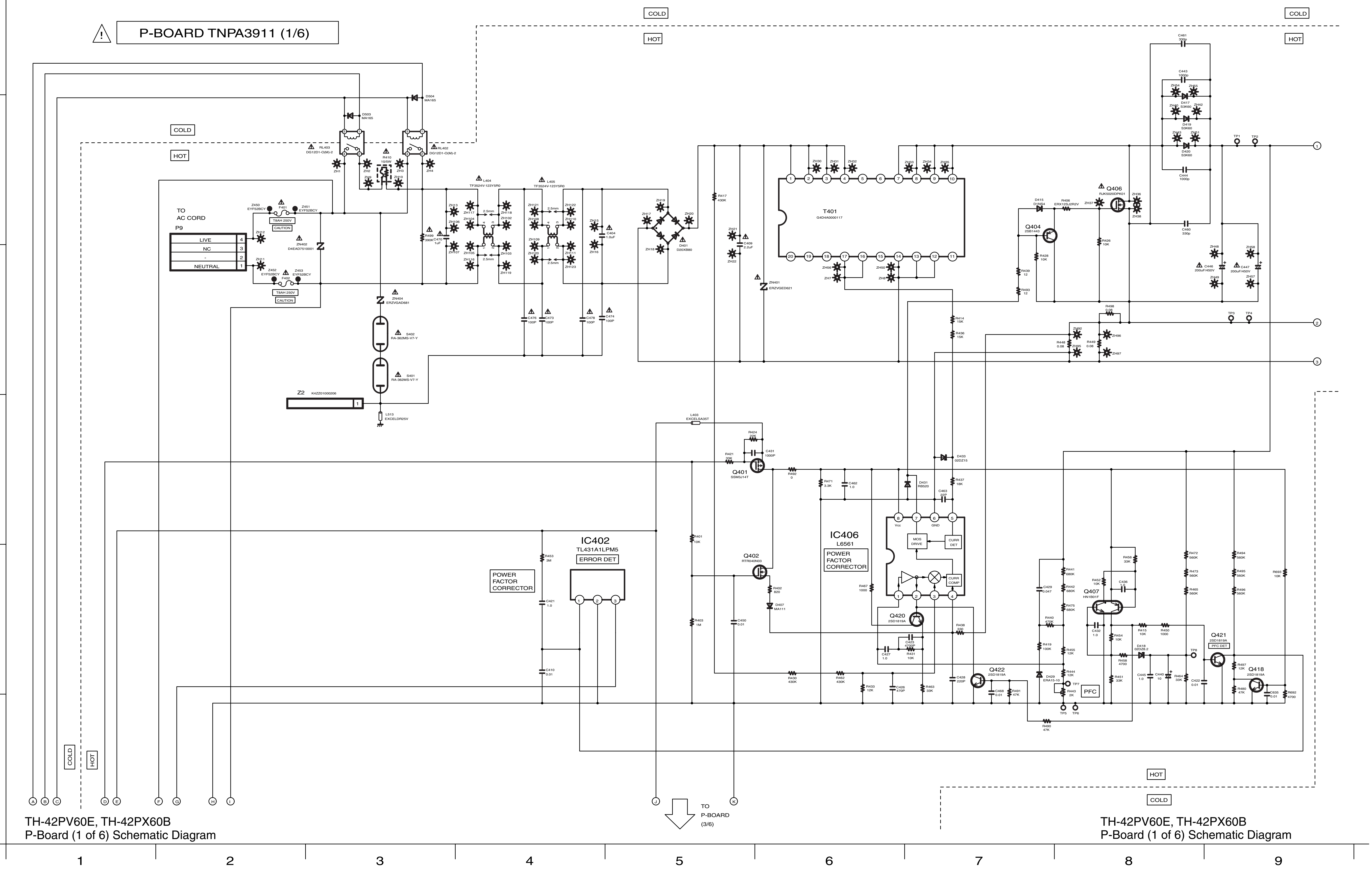
TH-37/42PV60E,TH-37/42PX60B
H-Board (3 of 3) Schematic Diagram


P-BOARD TNPA3912 (1/6)
COLD
HOT
TO AC CORD
P9
LIVE
NC
-
NEUTRAL
F401 T8AH 250V CAUTION
F402 T8AH 250V CAUTION
Z450 EYF52BCY
Z451 EYF52BCY
Z452 EYF52BCY
Z453 EYF52BCY
ZN402 D4EAD7510001
ZN404 ERZVGAD681
S402 RA-362MS-V7-Y
S401 RA-362MS-V7-Y
Z2
L513 EXCELDR25V
D503 MA165
D504 MA165
RL403 DG12D1-O(M)-2
RL402 DG12D1-O(M)-2
R410 10/5W
R499 390K
C470 1.0uF
L404 TF3524V-123Y5R0
L405 TF3524V-123Y5R0
2.5mm
C404 1.0uF
C476 100P
C473 100P
C478 100P
C474 100P
D401 D20XB80
R417 430K
C409 2.2uF
ZN401 ERZVGED621
T401
45H-5033
D415 D1NS4
R406 ERX12SJ2R2V
Q406 RJK5020DPK01
Q404 2SB1443
R428 10K
R426 10K
R439 12
R493 12
C461 330p
C443 1000p
D417 S3K60
D419 S3K60
D420 S3K60
C444 1000p
C460 330p
C446 200uF/450V
C447 200uF/450V
TP1
TP2
TP3
TP4
R498 damy
R448 0.08
R449 0.08
R414 15K
R436 15K
L403 EXCELSA35T
R424 22K
C431 1000P
R421 33K
Q401 SSM3J14T
R492 0
R471 3.3K
C462 1.0
D431 RB520
D433 02DZ15
R437 18K
C463 22P
IC406
L6561
POWER FACTOR CORRECTOR
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
R401 10K
Q402 RTR040N03
R402 820
D407 MA111
R403 1M
C450 0.01[KB]
R467 1000
Q420 2SD1819A
C423 4700P
C427 1.0
R431 10K
R438 330
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
C428 220P
Q422 2SD1819A
C468 0.01
R491 47K
R453 3M
C421 1.0
C410 0.01
IC402
TL431A1LPM5
ERROR DET
C429 0.047
R441 680K
R442 680K
R475 680K
R440 470K
R419 100K
R455 12K
D429 ERA15-10
R444 12K
TP7
R443 2K
PFC
TP5
TP6
R490 47K
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R415 10K
R450 1000
R458 4700
D418 02DZ8.2
TP8
R451 33K
C445 1.0
C440 10
R464 33K
R472 560K
R473 560K
R465 560K
C422 0.01
Q421 2SD1819A
PFC DET
R494 560K
R495 560K
R496 560K
R497 12K
R480 47K
Q418 2SD1819A
C635 0.01
R692 4700
R693 10K
TO P-BOARD (3/6)
A B C D E F G H I J K
1 2 3 4 5 6 7 8 9

TH-37PV60E, TH-37PX60B
P-Board (1 of 6) Schematic Diagram

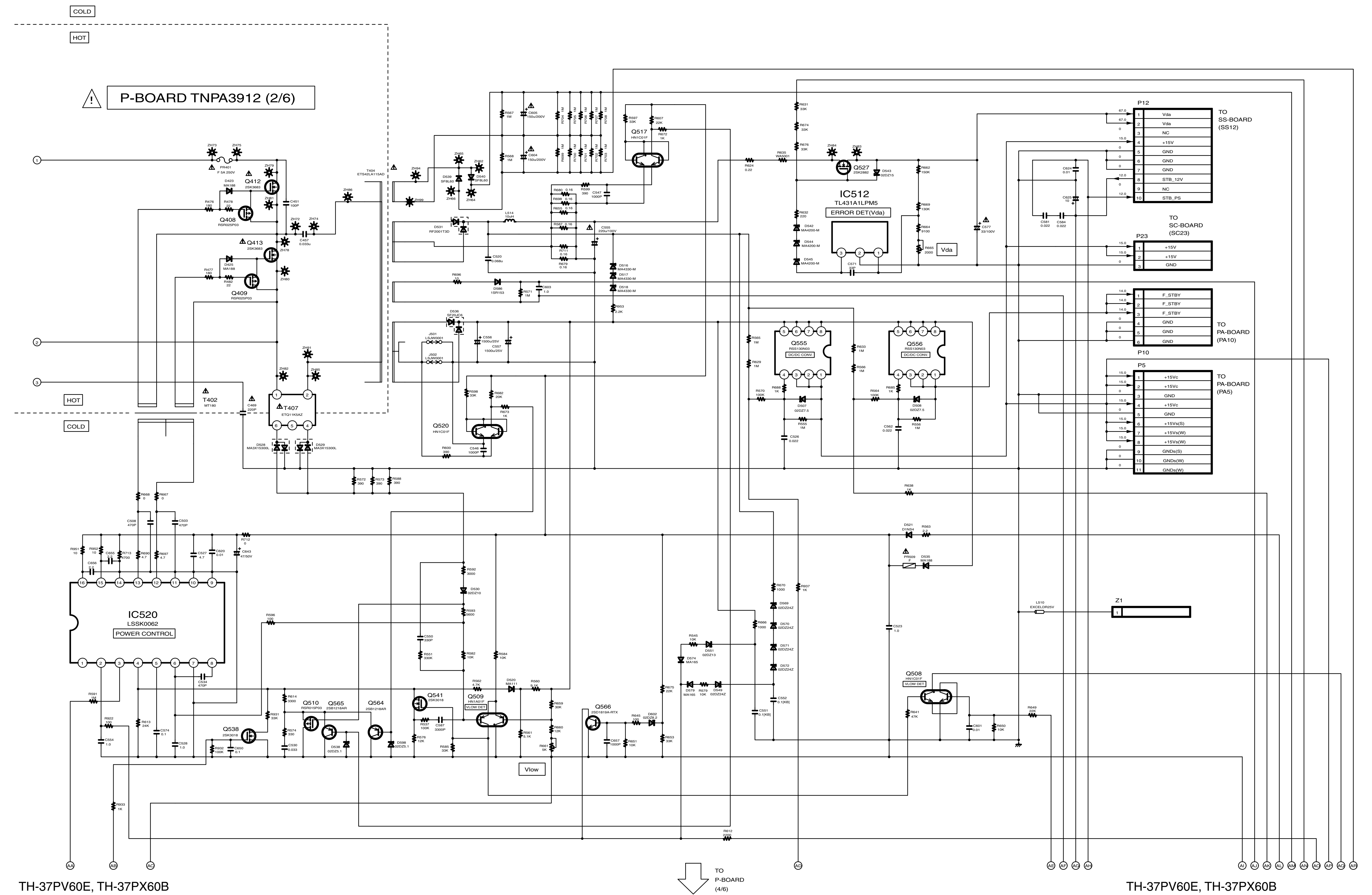
TH-37PV60E, TH-37PX60B
P-Board (1 of 6) Schematic Diagram

P-BOARD TNPA3911 (1/6)


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
COLD
HOT
TO AC CORD
P9
LIVE
NC
-
NEUTRAL
F401 T8AH 250V
F402 T8AH 250V
CAUTION
ZN402 D4EAD7S10001
RL403 DG12D1-O(M)-2
RL402 DG12D1-O(M)-2
D503 MA165
D504 MA165
R410 10/5W
L404 TF3524V-123Y5R0
L405 TF3524V-123Y5R0
ZN404 ERZVGAD681
S402 RA-362MS-V7-Y
S401 RA-362MS-V7-Y
Z2 K4ZZ01000206
L513 EXCELDR25V
R499 390K
C470 1uF
C404 1.0uF
C476 100P
C473 100P
C478 100P
C474 100P
D401 D20XB80
R417 430K
C409 2.2uF
ZN401 ERZVGED621
T401 G4D4A0000117
D415 D1NS4
R406 ERX12SJ2R2V
Q406 RJK5020DPK01
Q404 2SB1443
R426 10K
R428 10K
R439 12
R493 12
C461 330p
C443 1000p
C444 1000p
C460 330p
D417 S3K60
D419 S3K60
D420 S3K60
C446 200uF/450V
C447 200uF/450V
TP1
TP2
TP3
TP4
R498 0.08
R448 0.08
R449 0.08
R414 15K
R436 15K
L403 EXCELSA35T
R424 22K
C431 1000P
R421 33K
Q401 SSM3J14T
R492 0
D433 02DZ15
R471 3.3K
C462 1.0
D431 RB520
C463 22P
R437 18K
IC406
L6561
POWER FACTOR CORRECTOR
MOS DRIVE
CURR DET
CURR COMP
Vcc
GND
IC402
TL431A1LPM5
ERROR DET
R453 3M
C421 1.0
C410 0.01
R401 10K
R403 1M
Q402 RTR040N03
R402 820
D407 MA111
C450 0.01
R467 1000
Q420 2SD1819A
C427 1.0
C423 4700P
R431 10K
R438 330
C428 220P
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
Q422 2SD1819A
C468 0.01
R491 47K
C429 0.047
R441 680K
R442 680K
R475 680K
R440 470K
R419 100K
R455 12K
R444 12K
D429 ERA15-10
R443 2K
TP5
TP6
TP7
PFC
R490 47K
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R415 10K
R450 1000
D418 02DZ8.2
R458 4700
R451 33K
C445 1.0
C440 10
R464 33K
C422 0.01
TP8
R472 560K
R473 560K
R465 560K
R494 560K
R495 560K
R496 560K
Q421 2SD1819A
PFC DET
R497 12K
R480 47K
Q418 2SD1819A
C635 0.01
R692 4700
R693 10K
1
2
3
A
B
C
D
E
F
G
H
I
J
K
TO P-BOARD (3/6)

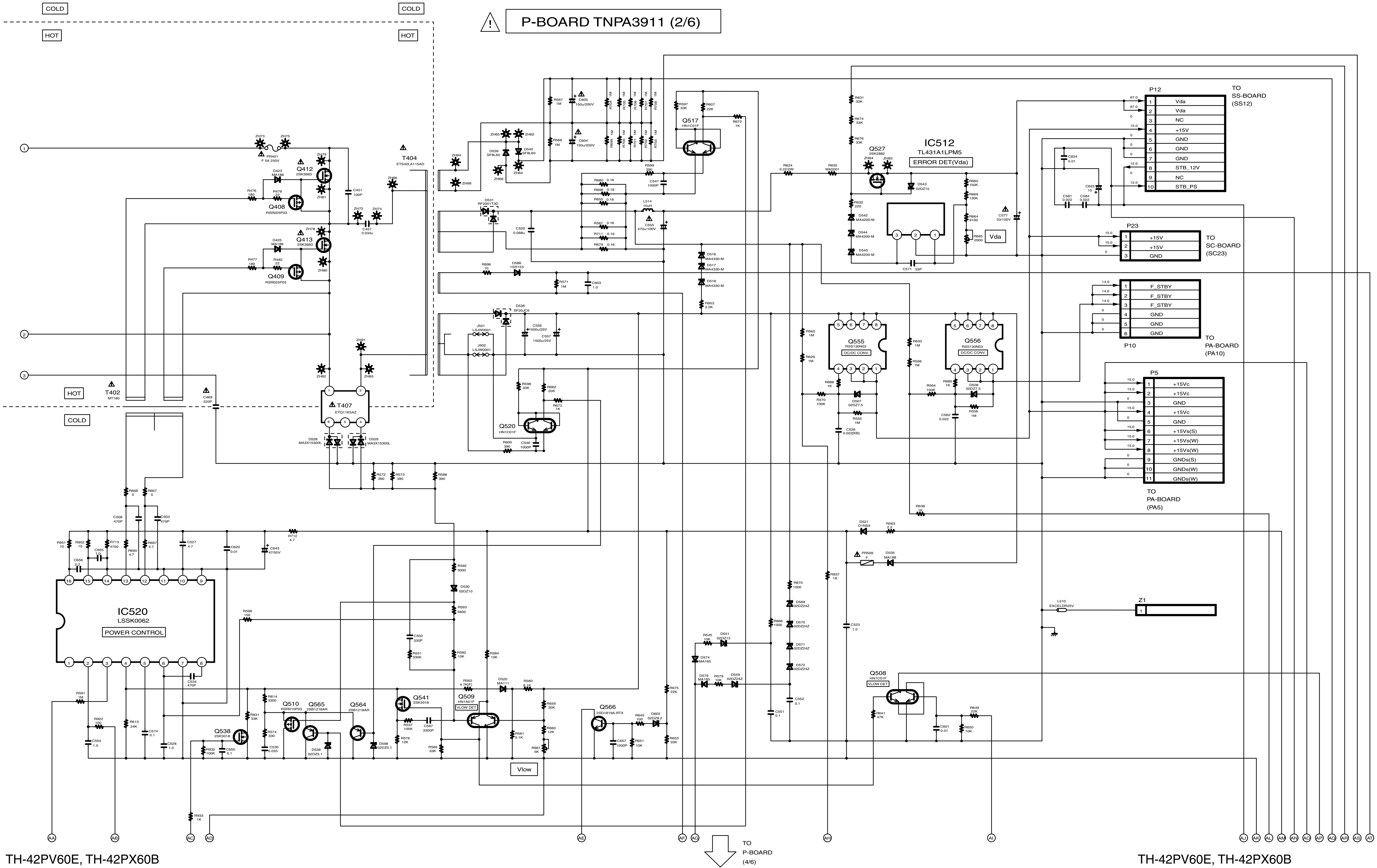
TH-42PV60E, TH-42PX60B
P-Board (1 of 6) Schematic Diagram

TH-42PV60E, TH-42PX60B
P-Board (1 of 6) Schematic Diagram


COLD
HOT
P-BOARD TNPA3912 (2/6)
PR401 F 5A 250V
Q412 2SK3683
Q408 RSR025P03
Q413 2SK3683
Q409 RSR025P03
D423 MA188
D425 MA188
C451 100P
C457 0.033u
T404 ETS42LA115AD
T402 MT180
T407 ETQ1K5AZ
C469 220P
D528 MA3X15300L
D529 MA3X15300L
D531 RF2001T3D
D539 SF8L60
D540 SF8L60
L514 10uH
C520 0.068u
C605 150u/200V
C604 150u/200V
C555 220u/100V
Q517 HN1C01F
D516 MA4330-M
D517 MA4330-M
D518 MA4330-M
D586 1SR153
D536 SF20JC6
J501 LSJW0001
J502 LSJW0001
C556 1500u/25V
C557 1500u/25V
Q520 HN1C01F
C546 1000P
C547 1000P
IC512
TL431A1LPM5
ERROR DET(Vda)
Vda
Q527 2SK2882
D543 02DZ15
D542 MA4200-M
D544 MA4200-M
D545 MA4200-M
C577 33/100V
Q555 RSS130N03 DC/DC CONV.
Q556 RSS130N03 DC/DC CONV.
D507 02DZ7.5
D508 02DZ7.5
P12
Vda
Vda
NC
+15V
GND
GND
GND
STB_12V
NC
STB_PS
TO SS-BOARD (SS12)
P23
+15V
+15V
GND
TO SC-BOARD (SC23)
F_STBY
F_STBY
F_STBY
GND
GND
GND
P10
TO PA-BOARD (PA10)
P5
+15Vc
+15Vc
GND
+15Vc
GND
+15Vs(S)
+15Vs(W)
+15Vs(W)
GNDs(S)
GNDs(W)
GNDs(W)
TO PA-BOARD (PA5)
IC520
LSSK0062
POWER CONTROL
D521 D1NS4
PR509 F
D535 MA188
L510 EXCELDR25V
Z1
Q508 HN1C01F VLOW DET
Q538 2SK3018
Q510 RSR015P03
Q565 2SB1218AR
Q564 2SB1218AR
Q541 2SK3018
Q509 HN1A01F VLOW DET
D520 MA111
Vlow
Q566 2SD1819A-RTX
D602 02DZ8.2
D538 02DZ5.1
D598 02DZ5.1
D530 02DZ10
D551 02DZ13
D574 MA165
D579 MA165
D549 02DZ24Z
D569 02DZ24Z
D570 02DZ24Z
D571 02DZ24Z
D572 02DZ24Z
TO P-BOARD (4/6)
AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR

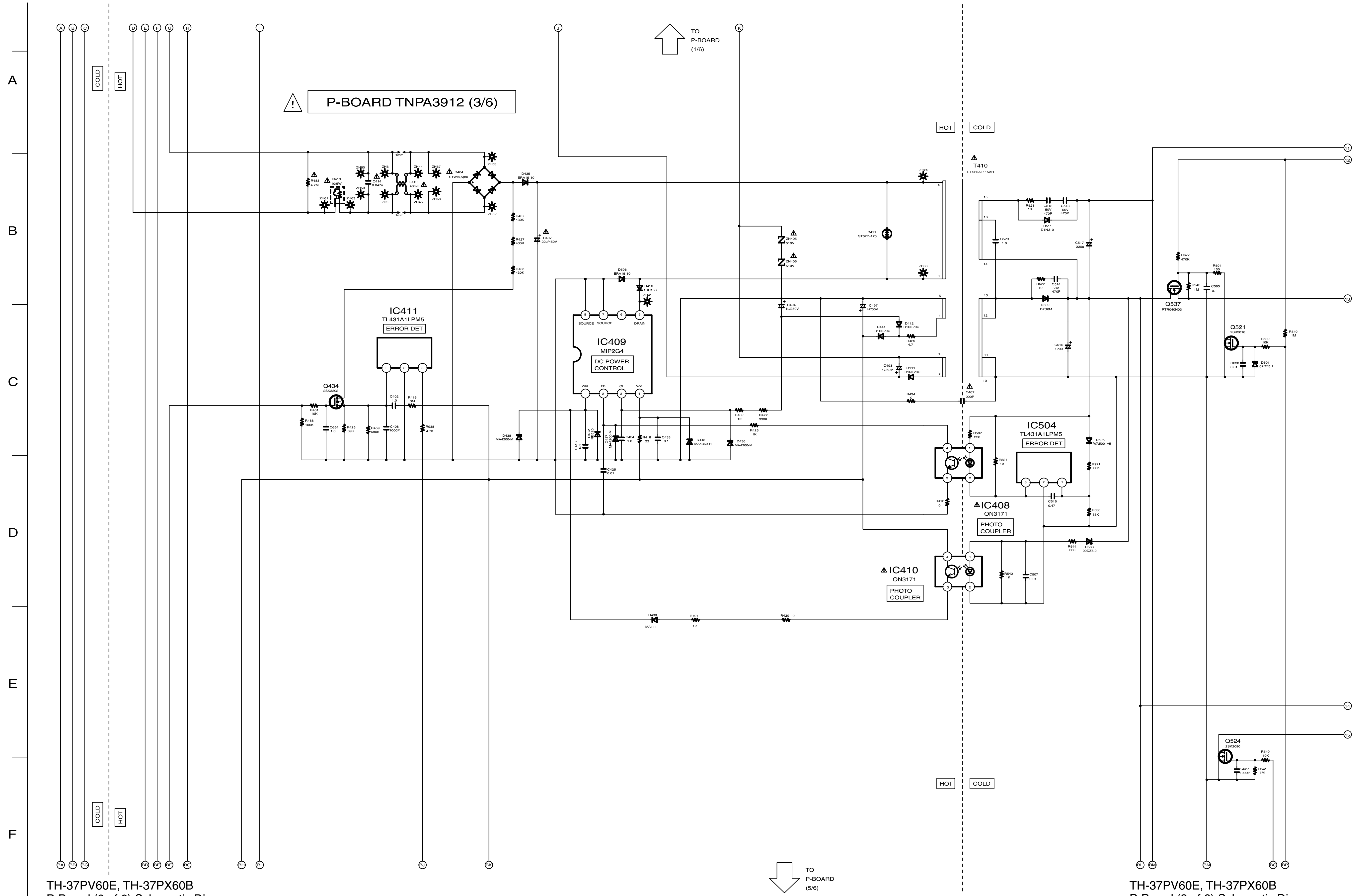
TH-37PV60E, TH-37PX60B
P-Board (2 of 6) Schematic Diagram

TH-37PV60E, TH-37PX60B
P-Board (2 of 6) Schematic Diagram


P-BOARD TNPA3911 (2/6)
COLD
HOT
T404
ETS42LA115AD
T402
MT180
T407
ETQ1K5AZ
Q412
2SK3683
Q413
2SK3683
Q408
RSR025P03
Q409
RSR025P03
PR401
F 5A 250V
Q517
HN1C01F
Q520
HN1C01F
IC512
TL431A1LPM5
ERROR DET(Vda)
Q527
2SK2882
Vda
Q555
RSS130N03
DC/DC CONV.
Q556
RSS130N03
DC/DC CONV.
P12
TO
SS-BOARD
(SS12)
Vda
Vda
NC
+15V
GND
GND
GND
STB_12V
NC
STB_PS
P23
TO
SC-BOARD
(SC23)
+15V
+15V
GND
P10
TO
PA-BOARD
(PA10)
F_STBY
F_STBY
F_STBY
GND
GND
GND
P5
TO
PA-BOARD
(PA5)
+15Vc
+15Vc
GND
+15Vc
GND
+15Vs(S)
+15Vs(W)
+15Vs(W)
GNDs(S)
GNDs(W)
GNDs(W)
Z1
L510
EXCELDR25V
IC520
LSSK0062
POWER CONTROL
Q538
2SK3018
Q510
RSR015P03
Q565
2SB1218AR
Q564
2SB1218AR
Q541
2SK3018
Q509
HN1A01F
VLOW DET
Vlow
Q566
2SD1819A-RTX
Q508
HN1C01F
VLOW DET
TO
P-BOARD
(4/6)
AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
AS
AT
10
11
12
13
14
15
16
17
18

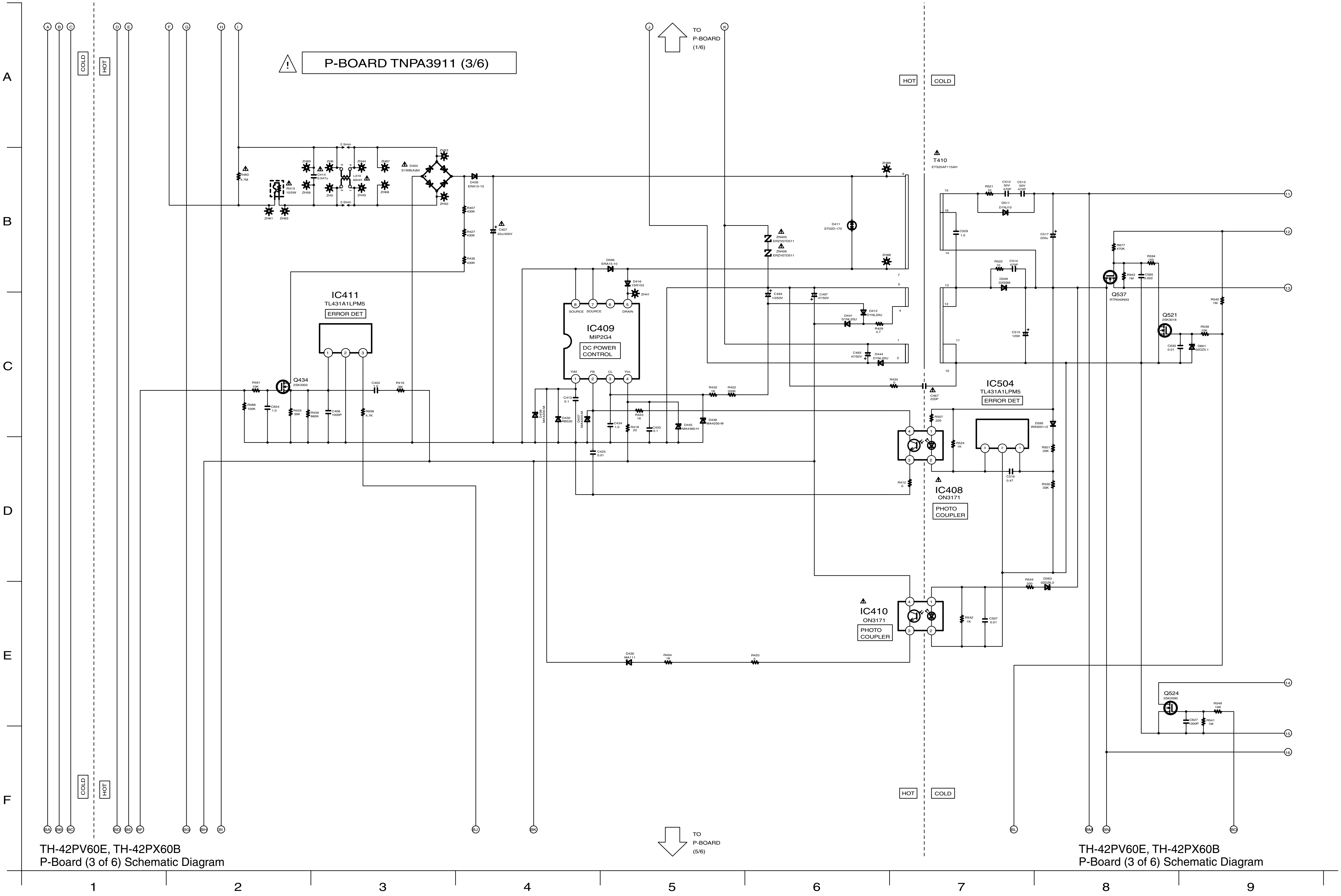
TH-42PV60E, TH-42PX60B
P-Board (2 of 6) Schematic Diagram

TH-42PV60E, TH-42PX60B
P-Board (2 of 6) Schematic Diagram


P-BOARD TNPA3912 (3/6)
TO P-BOARD (1/6)
TO P-BOARD (5/6)
HOT
COLD
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
R483 4.7M
R413 10/5W
ZH61
ZH63
ZH60
ZH59
C414 0.047u
ZH6
ZH5
L410 40mH
ZH44
ZH45
ZH67
ZH68
D404 S1WB(A)80
ZH53
ZH52
D435 ERA15-10
R407 430K
R427 430K
R435 430K
C407 22u/450V
IC411
TL431A1LPM5
ERROR DET
Q434
2SK3302
R461 10K
R488 100K
C654 1.0
R425 39K
R459 680K
C402 1.0
C408 1000P
R416 3M
R938 4.7K
D438 MA4200-M
D596 ERA15-10
D416 1SR153
ZH41
IC409
MIP2G4
DC POWER CONTROL
SOURCE
DRAIN
Vdd
FB
CL
Vcc
C413
D432
D437 MA4200-M
C434 1.0
R418 22
C433 0.1
C425 0.01
D445 MA4360-H
D436 MA4200-M
R432 1K
R422 330K
R423 1K
ZN405 510V
ZN406 510V
C494 1u/250V
C497 47/50V
D411 ST02D-170
ZH89
ZH88
D441 D1NL20U
D412 D1NL20U
R429 4.7
C493 47/50V
D444 D1NL20U
R434 0
C467 220P
T410
ETS25AF115AH
R521 10
C512 50V 470P
C513 50V 470P
D511 D1NJ10
C529 1.0
C517 220u
R522 10
C514 50V 470P
D509 D2S6M
C515 1200
R677 470K
Q537
RTR040N03
R943 1M
R594 150
C585 0.1
Q521
2SK3018
R539 10K
R540 1M
C630 0.01
D601 02DZ5.1
IC504
TL431A1LPM5
ERROR DET
R507 220
R524 1K
D595 MA5001=5
R921 33K
C516 0.47
R530 33K
R412 0
IC408
ON3171
PHOTO COUPLER
R544 330
D563 02DZ6.2
IC410
ON3171
PHOTO COUPLER
R542 1K
C507 0.01
D430 MA111
R404 1K
R420 0
Q524
2SK2090
R549 10K
C627 1000P
R541 1M
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
BN
BO
BP

TH-37PV60E, TH-37PX60B
P-Board (3 of 6) Schematic Diagram

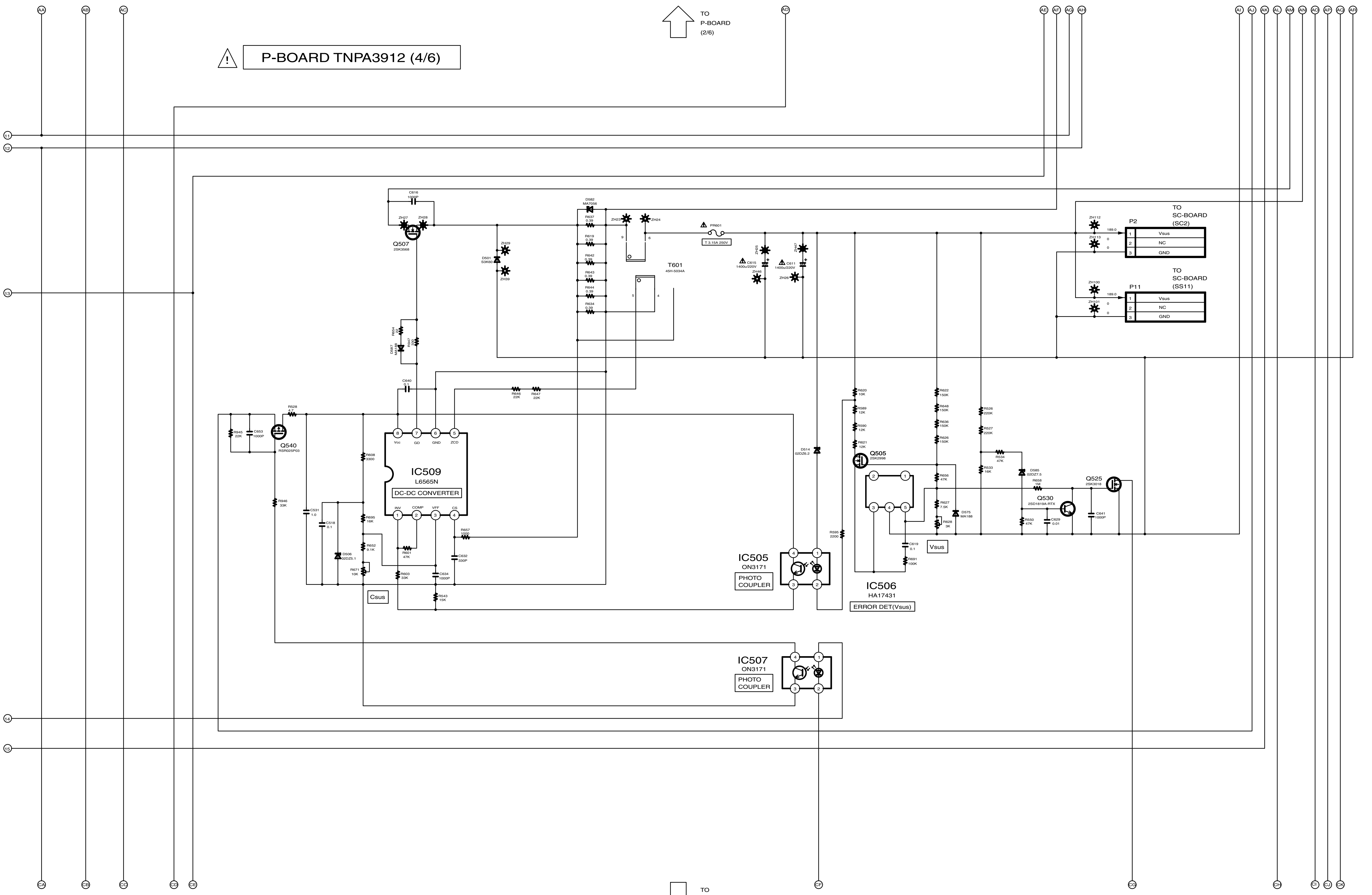
TH-37PV60E, TH-37PX60B
P-Board (3 of 6) Schematic Diagram


P-BOARD TNPA3911 (3/6)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
COLD
HOT
TO
P-BOARD
(1/6)
(5/6)
R483
4.7M
R413
10/5W
ZH61
ZH63
ZH60
ZH59
C414
0.047u
ZH6
ZH5
2.5mm
L410
40mH
ZH44
ZH45
ZH67
ZH68
D404
S1WB(A)80
ZH53
ZH52
D435
ERA15-10
R407
430K
R427
430K
R435
430K
C407
22u/450V
IC411
TL431A1LPM5
ERROR DET
Q434
2SK3302
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C408
1000P
R938
4.7K
C402
1.0
R416
3M
IC409
MIP2G4
DC POWER
CONTROL
SOURCE
DRAIN
Vdd
FB
CL
Vcc
D596
ERA15-10
D416
1SR153
ZH41
C413
0.1
D438
MA4200-M
D432
RB520
D437
MA4200-M
C425
0.01
C434
1.0
R418
22
R423
1K
C433
0.1
D445
MA4360-H
D436
MA4200-M
R432
1K
R422
330K
ZN405
ERZV07D511
ZN406
ERZV07D511
D411
ST02D-170
ZH89
ZH88
C494
1/250V
C497
47/50V
D441
D1NL20U
D412
D1NL20U
R429
4.7
C493
47/50V
D444
D1NL20U
R434
0
C467
220P
T410
ETS25AF115AH
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
C529
1.0
C517
220u
R522
10
C514
470P
D509
D2S6M
C515
1200
Q537
RTR040N03
R677
470K
R943
1M
C585
0.022
R594
150
R540
1M
Q521
2SK3018
R539
10K
C630
0.01
D601
02DZ5.1
IC504
TL431A1LPM5
ERROR DET
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
R412
0
IC408
ON3171
PHOTO
COUPLER
R544
330
D563
02DZ6.2
IC410
ON3171
PHOTO
COUPLER
R542
1K
C507
0.01
D430
MA111
R404
1K
R420
0
Q524
2SK2090
C627
1000P
R541
1M
R549
10K
A
B
C
D
E
F
G
H
I
J
K
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
BN
BO
11
12
13
14
15
16

TH-42PV60E, TH-42PX60B
P-Board (3 of 6) Schematic Diagram

TH-42PV60E, TH-42PX60B
P-Board (3 of 6) Schematic Diagram

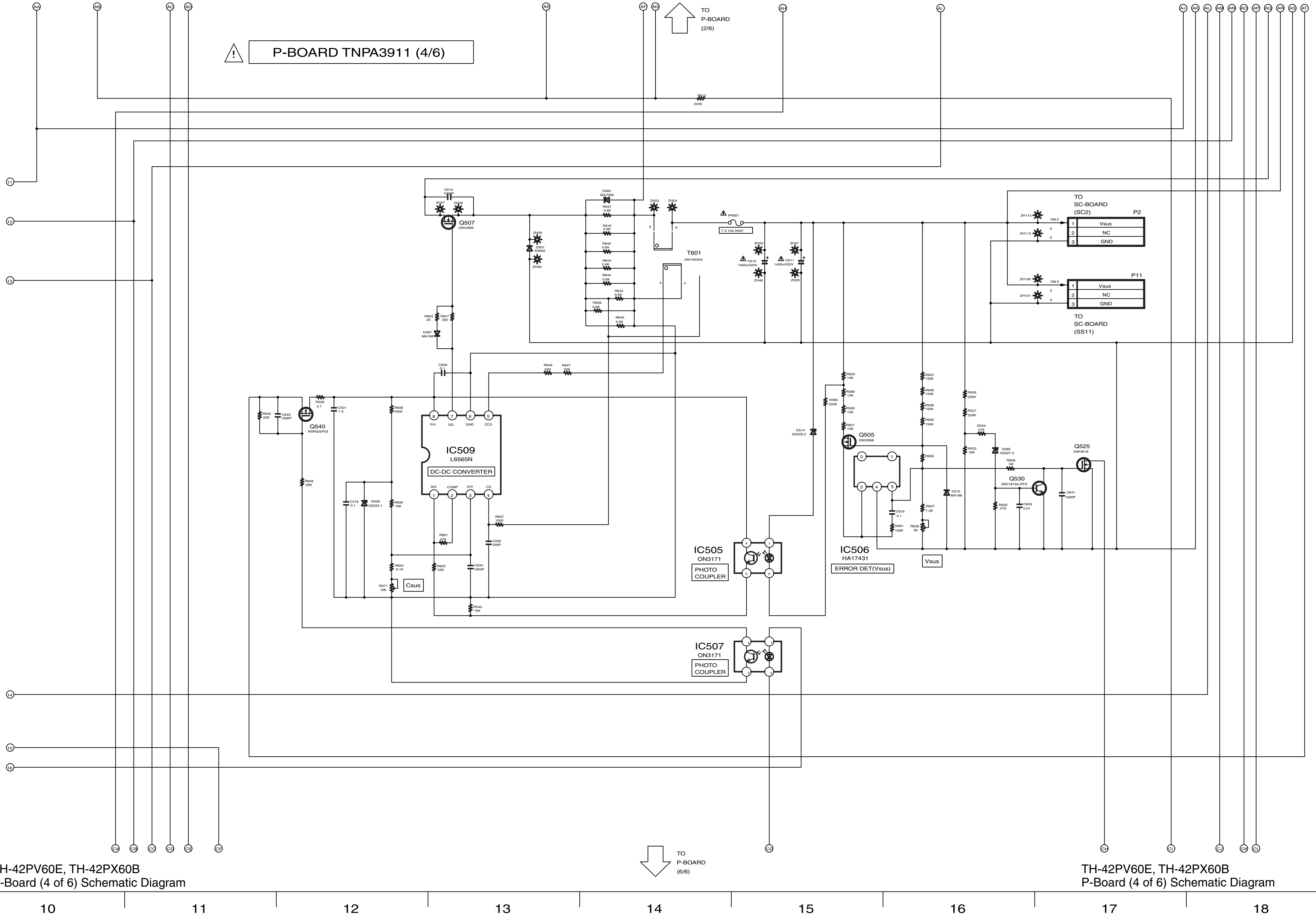
P-BOARD TNPA3912 (4/6)

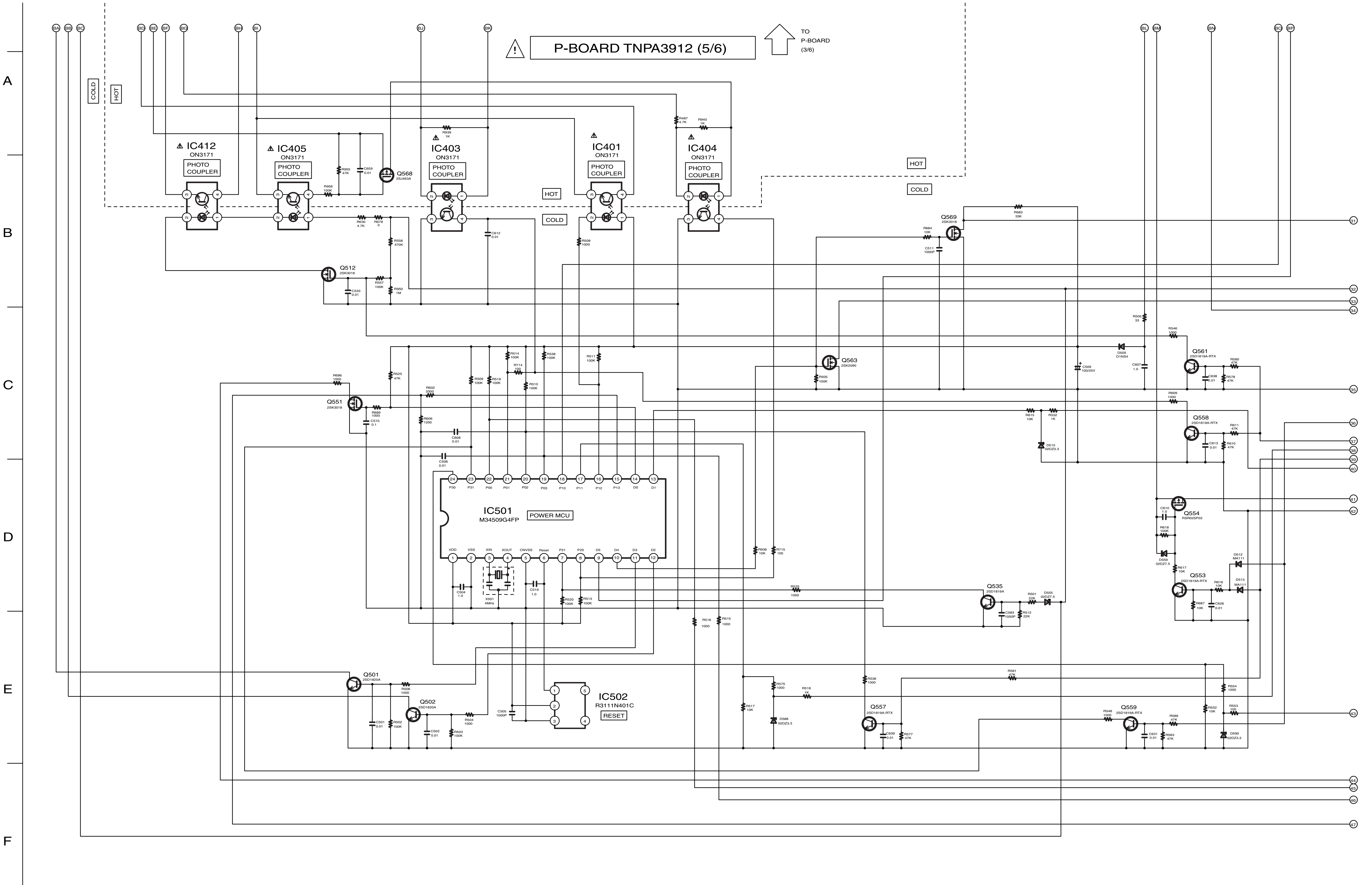

AA
AB
AC
AD
TO
P-BOARD
(2/6)
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
11
12
13
14
15
C616
1000P
ZH27
ZH28
Q507
2SK3568
D501
S3K60
ZH29
ZH39
R654
22
D587
MA188
R947
330
C640
0.1
D582
MA7056
R637
0.39
R619
0.39
R642
0.39
R643
0.39
R644
0.39
R634
0.39
ZH23
ZH24
9
6
5
4
T601
45H-5034A
R646
22K
R647
22K
PR601
T 3.15A 250V
ZH25
C615
1400u/220V
ZH46
ZH47
C611
1400u/220V
ZH26
ZH112
ZH113
189.0
0
0
P2
TO
SC-BOARD
(SC2)
1
2
3
Vsus
NC
GND
ZH100
ZH101
189.0
0
0
P11
TO
SC-BOARD
(SS11)
1
2
3
Vsus
NC
GND
R528
4.7
R945
22K
C653
1000P
Q540
RSR025P03
R946
33K
C531
1.0
C518
0.1
D506
02DZ5.1
R608
3300
R695
16K
R652
9.1K
R671
10K
Csus
8
7
6
5
Vcc
GD
GND
ZCD
IC509
L6565N
DC-DC CONVERTER
INV
COMP
VFF
CS
1
2
3
4
R601
47K
R603
33K
C634
1000P
R543
15K
R657
1000
C632
330P
D514
02DZ6.2
R595
2200
IC505
ON3171
PHOTO
COUPLER
IC507
ON3171
PHOTO
COUPLER
R620
10K
R589
12K
R590
12K
R621
12K
Q505
2SK2998
IC506
HA17431
ERROR DET(Vsus)
C619
0.1
R691
100K
R622
150K
R648
150K
R636
150K
R626
150K
R656
47K
R627
7.5K
R628
3K
D575
MA188
Vsus
R526
220K
R527
220K
R533
16K
R534
47K
D585
02DZ7.5
R658
1M
Q525
2SK3018
Q530
2SD1819A-RTX
R550
47K
C629
0.01
C641
1000P
CA
CB
CC
CD
CE
TO
P-BOARD
(6/6)
CF
CG
CH
CI
CJ
CK
10
11
12
13
14
15
16
17
18

TH-37PV60E, TH-37PX60B
P-Board (4 of 6) Schematic Diagram

TH-37PV60E, TH-37PX60B
P-Board (4 of 6) Schematic Diagram

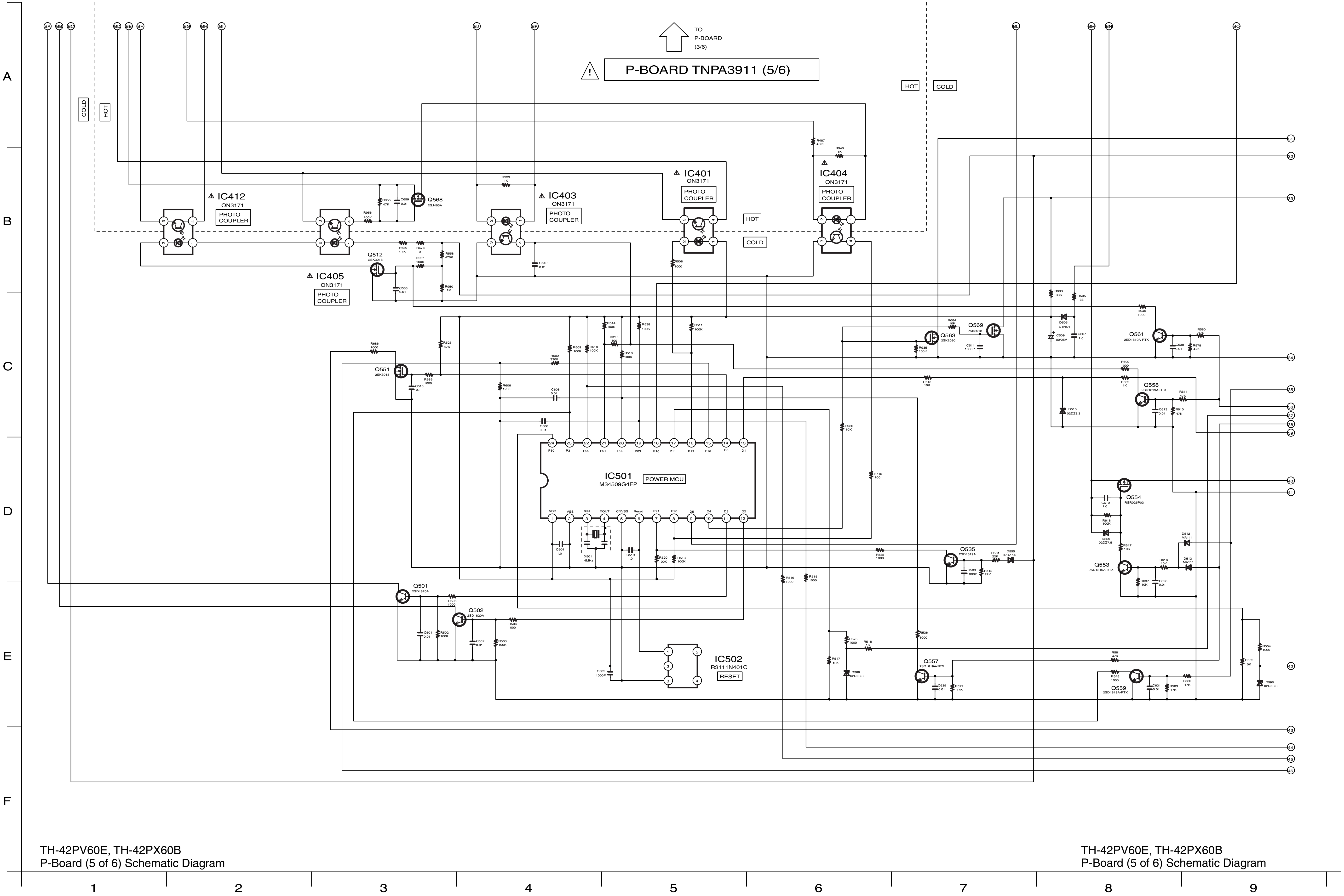
P-BOARD TNPA3911 (4/6)


AA
AB
AC
AD
AE
AF
AG
TO P-BOARD (2/6)
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
AS
AT
R612 2200
C616 1000P
ZH27
ZH28
Q507 2SK3568
D582 MA7056
R637 0.68
R619 0.68
R642 0.68
R643 0.68
R644 0.68
R634 0.68
R639 0.68
R640 0.68
ZH29
D501 S3K60
ZH39
ZH23
ZH24
T601 45H-5034A
PR601
T 3.15A 250V
ZH25
ZH46
C615 1400u/220V
ZH47
ZH26
C611 1400u/220V
TO SC-BOARD (SC2)
P2
ZH112
ZH113
189.0
Vsus
NC
GND
P11
ZH100
ZH101
TO SC-BOARD (SS11)
R654 22
R947 330
D587 MA188
C640 0.1
R646 22K
R647 22K
R945 22K
C653 1000P
R528 4.7
C531 1.0
Q540 RSR025P03
R608 3300
IC509 L6565N
DC-DC CONVERTER
Vcc
GD
GND
ZCD
INV
COMP
VFF
CS
R946 33K
C518 0.1
D506 02DZ5.1
R695 16K
R601 47K
R657 1000
C632 330P
R652 9.1K
R671 10K
Csus
R603 33K
C634 1000P
R543 15K
IC505 ON3171
PHOTO COUPLER
IC507 ON3171
PHOTO COUPLER
D514 02DZ6.2
R595 2200
R620 10K
R589 12K
R590 12K
R621 12K
Q505 2SK2998
IC506 HA17431
ERROR DET(Vsus)
C619 0.1
R691 100K
R622 150K
R648 150K
R636 150K
R626 150K
R656
R627 7.5K
R628 3K
Vsus
D575 MA188
R526 220K
R527 220K
R533 16K
R534 47K
D585 02DZ7.5
R658 1M
Q530 2SD1819A-RTX
R550 47K
C629 0.01
C641 1000P
Q525 2SK3018
11
12
13
14
15
16
CA
CB
CC
CD
CE
CF
TO P-BOARD (6/6)
CG
CH
CI
CJ
CK
CL
10
11
12
13
14
15
16
17
18


P-BOARD TNPA3912 (5/6)
TO P-BOARD (3/6)
HOT
COLD
IC412 ON3171 PHOTO COUPLER
IC405 ON3171 PHOTO COUPLER
IC403 ON3171 PHOTO COUPLER
IC401 ON3171 PHOTO COUPLER
IC404 ON3171 PHOTO COUPLER
Q568 2SJ463A
Q512 2SK3018
Q569 2SK3018
Q563 2SK2090
Q551 2SK3018
Q561 2SD1819A-RTX
Q558 2SD1819A-RTX
Q554 RSR025P03
Q553 2SD1819A-RTX
Q535 2SD1819A
Q501 2SD1820A
Q502 2SD1820A
Q557 2SD1819A-RTX
Q559 2SD1819A-RTX
IC501 M34509G4FP POWER MCU
IC502 R3111N401C RESET
X501 4MHz
P30 P31 P00 P01 P02 P03 P10 P11 P12 P13 D0 D1
VDD VSS XIN XOUT CNVSS Reset P21 P20 D5 D4 D3 D2
BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
A B C D E F
1 2 3 4 5 6 7 8 9

TH-37PV60E, TH-37PX60B
P-Board (5 of 6) Schematic Diagram

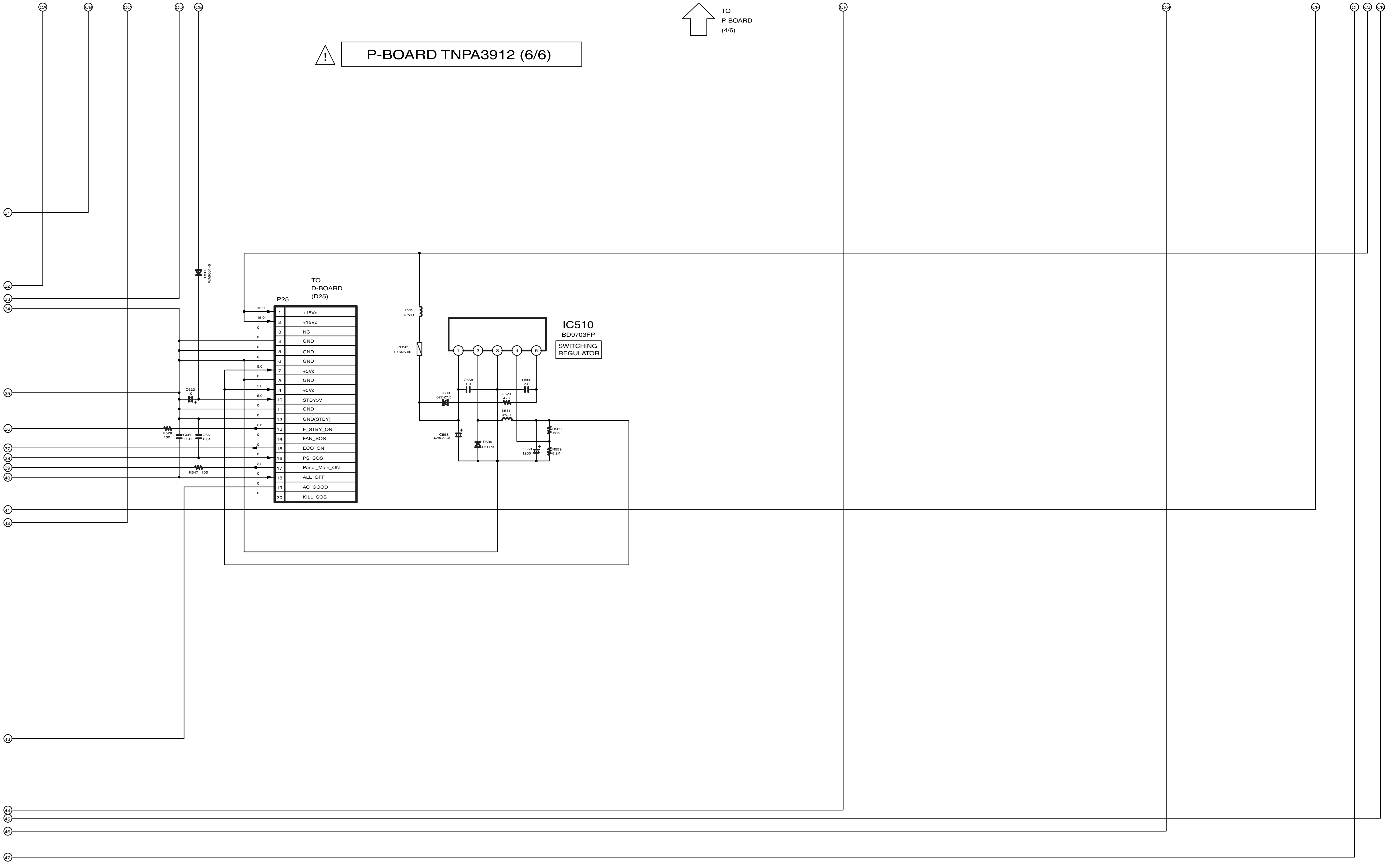
TH-37PV60E, TH-37PX60B
P-Board (5 of 6) Schematic Diagram

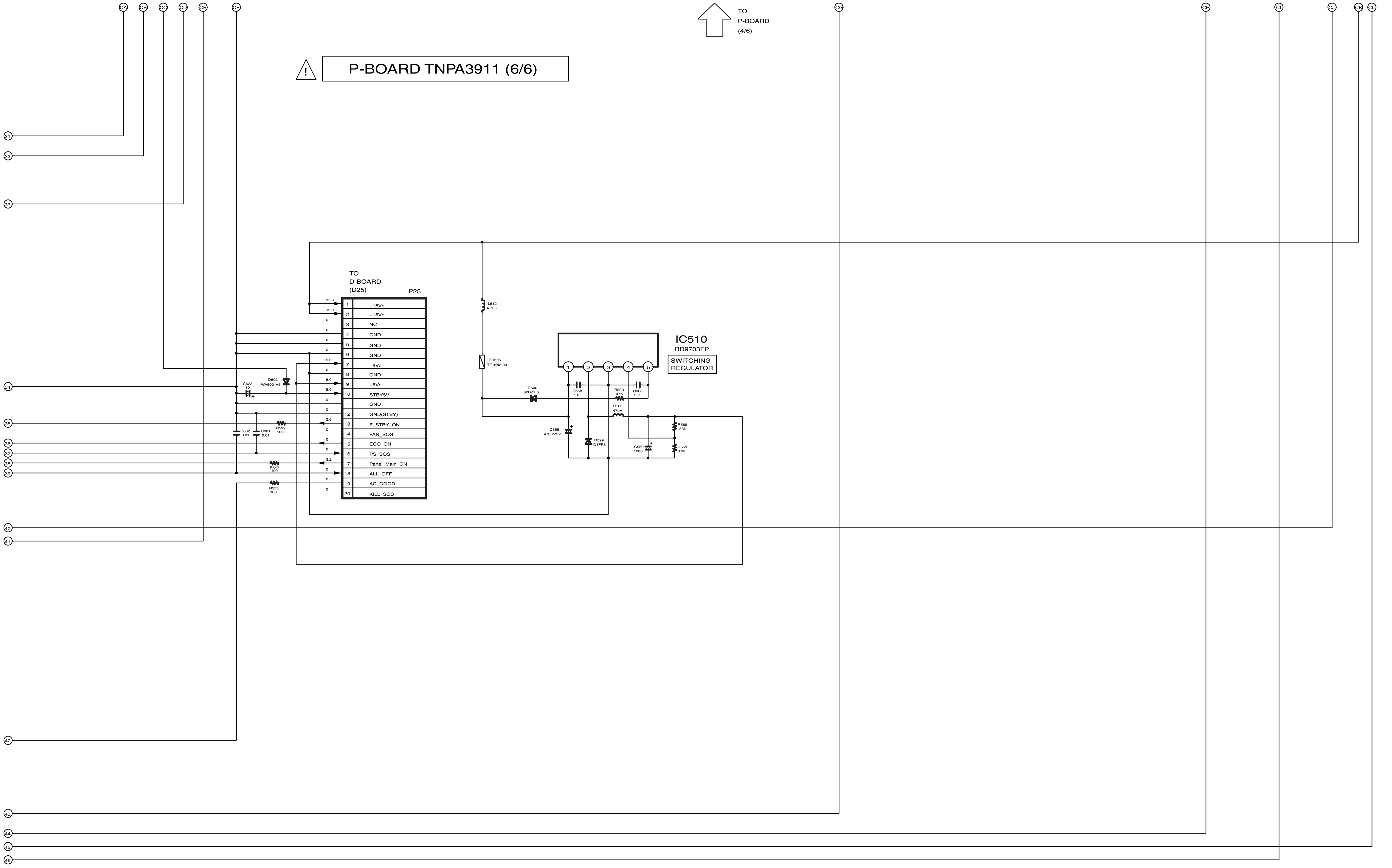

TO P-BOARD (3/6)
P-BOARD TNPA3911 (5/6)
COLD
HOT
IC412 ON3171 PHOTO COUPLER
IC403 ON3171 PHOTO COUPLER
IC401 ON3171 PHOTO COUPLER
IC404 ON3171 PHOTO COUPLER
IC405 ON3171 PHOTO COUPLER
Q568 2SJ463A
Q512 2SK3018
Q551 2SK3018
Q563 2SK2090
Q569 2SK3018
Q561 2SD1819A-RTX
Q558 2SD1819A-RTX
Q554 RSR025P03
Q553 2SD1819A-RTX
Q535 2SD1819A
Q501 2SD1820A
Q502 2SD1820A
Q557 2SD1819A-RTX
Q559 2SD1819A-RTX
IC501 M34509G4FP POWER MCU
IC502 R3111N401C RESET
X501 4MHz
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PV60E, TH-42PX60B
P-Board (5 of 6) Schematic Diagram

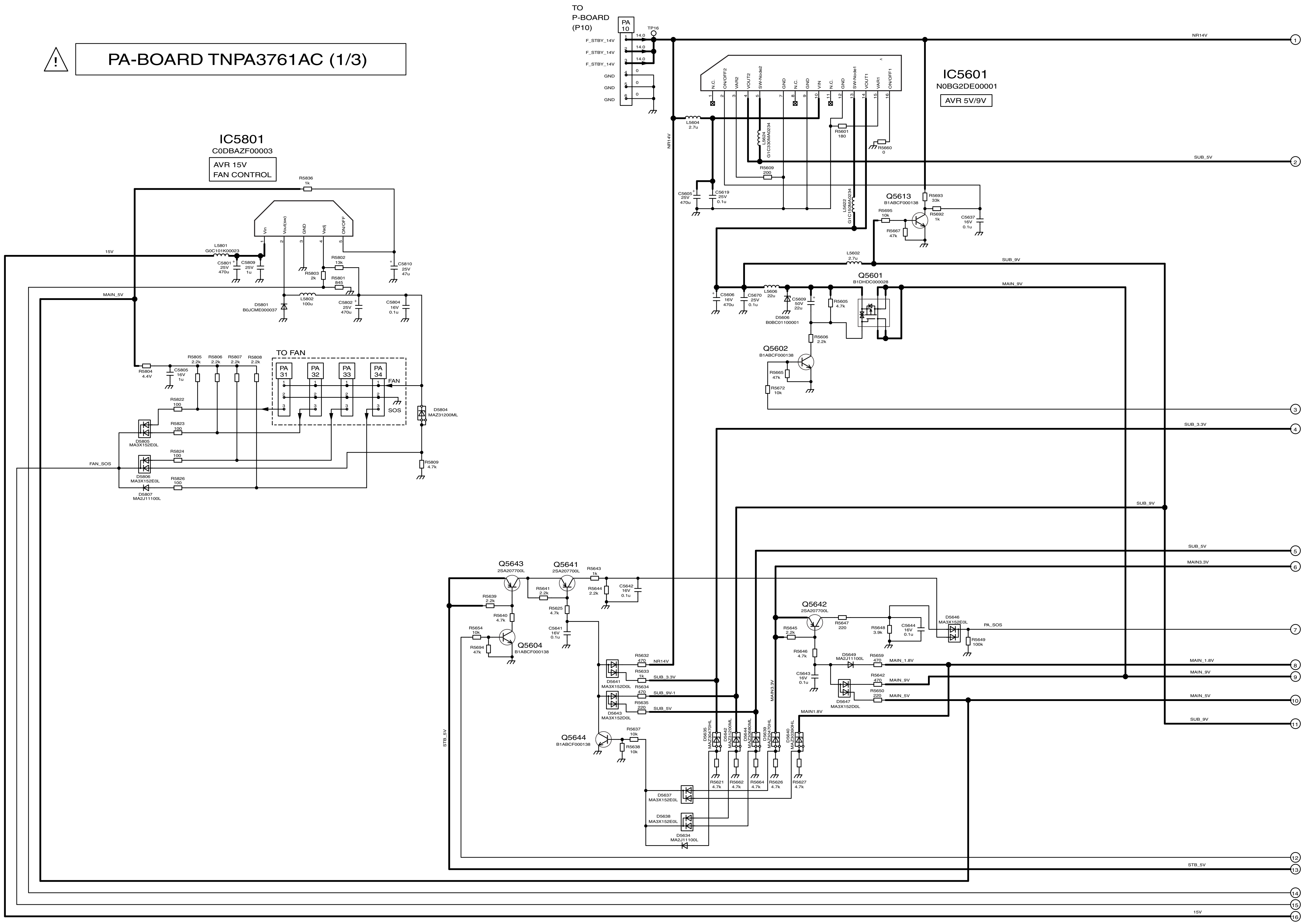
TH-42PV60E, TH-42PX60B
P-Board (5 of 6) Schematic Diagram

P-BOARD TNPA3912 (6/6)


CA
CB
CC
CD
CE
TO
P-BOARD
(4/6)
CF
CG
CH
CI
CJ
CK
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
D502
WA5001=5
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623
10
R529
100
C662
0.01
C661
0.01
R547 100
L512
4.7uH
PR505
TF16N5.00
IC510
BD9703FP
SWITCHING
REGULATOR
1
2
3
4
5
C658
1.0
C660
2.2
D600
02DZ7.5
R523
47K
L511
47uH
C558
470u/25V
D599
D1FP3
R569
33K
C559
1200
R559
8.2K


CA
CB
CC
CD
CE
CF
TO
P-BOARD
(4/6)
CG
CH
CI
CJ
CK
CL
P-BOARD TNPA3911 (6/6)
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623 10
D502 WA5001=5
C662 0.01
C661 0.01
R529 100
R547 100
R553 100
L512 4.7uH
PR505 TF16N5.00
D600 02DZ7.5
IC510
BD9703FP
SWITCHING REGULATOR
1
2
3
4
5
C658 1.0
R523 47K
C660 2.2
L511 47uH
C558 470u/25V
D599 D1FP3
C559 1200
R569 33K
R559 8.2K

⚠ PA-BOARD TNPA3761AC (1/3)

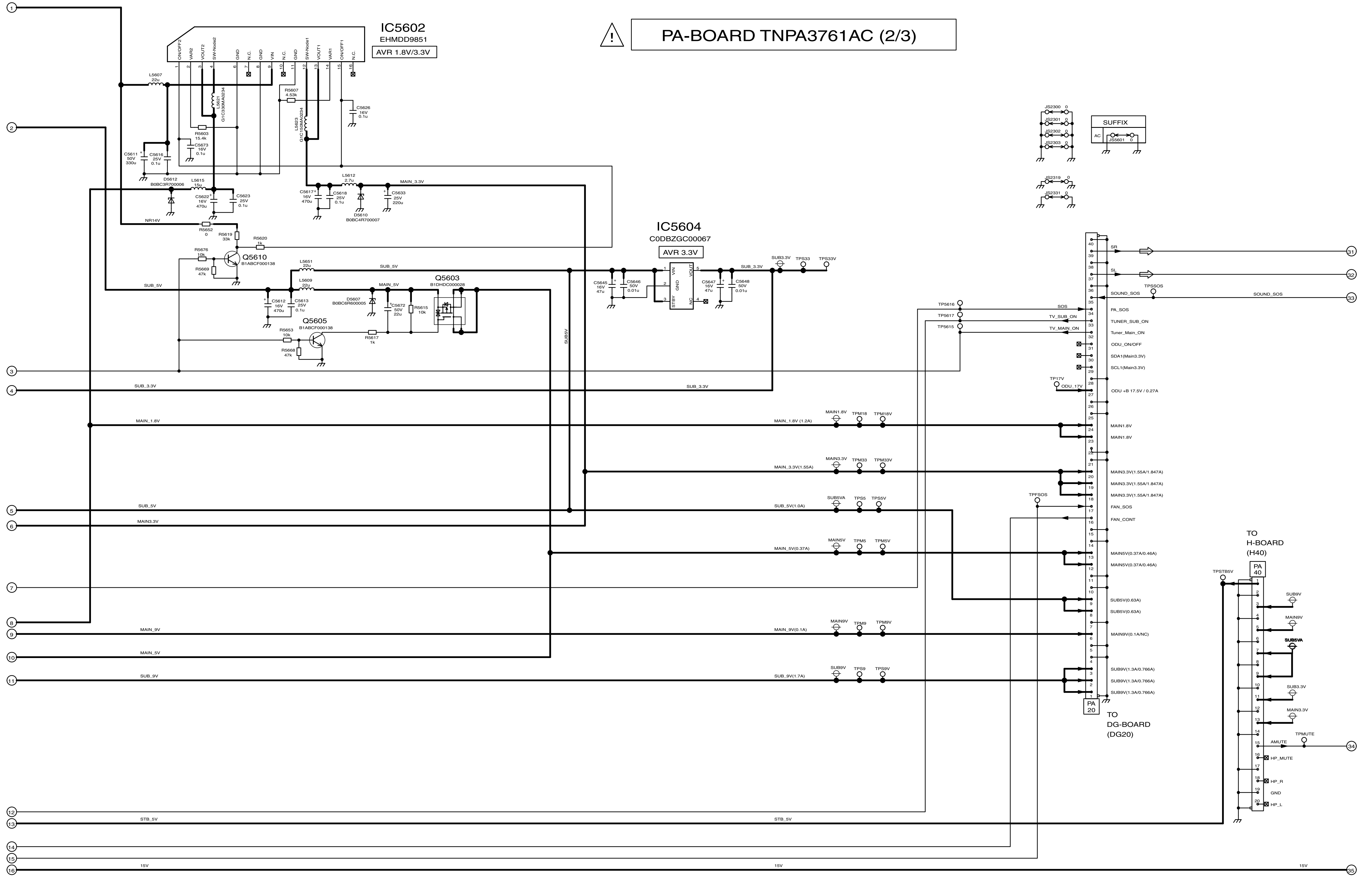


TO P-BOARD (P10)
PA10
TP16
F_STBY_14V
GND
14.0
0
IC5601
N0BG2DE00001
AVR 5V/9V
N.C.
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
VIN
SW-Node1
VOUT1
VAR1
ON/OFF1
L5604 2.7u
L5624 G1C330MA0234
L5622 G1C150MA0234
R5601 180
R5660 0
R5609 200
C5605 25V 470u
C5619 25V 0.1u
Q5613 B1ABCF000138
R5693 33k
R5692 1k
R5695 10k
R5667 47k
C5637 16V 0.1u
L5602 2.7u
Q5601 B1DHDC000028
C5606 16V 470u
C5670 25V 0.1u
L5606 22u
C5609 50V 22u
D5606 B0BC01100001
R5605 4.7k
R5606 2.2k
Q5602 B1ABCF000138
R5665 47k
R5672 10k
NR14V
SUB_5V
SUB_9V
MAIN_9V
SUB_3.3V
MAIN3.3V
PA_SOS
MAIN_1.8V
MAIN_5V
STB_5V
15V
IC5801
C0DBAZF00003
AVR 15V FAN CONTROL
R5836 1k
Vin
Vout(sw)
GND
Vadj
ON/OFF
L5801 G0C101K00023
C5801 25V 470u
C5809 25V 1u
C5810 25V 47u
R5802 13k
R5803 2k
R5801 845
D5801 B0JCME000037
L5802 100u
C5802 25V 470u
C5804 16V 0.1u
TO FAN
PA31
PA32
PA33
PA34
FAN
SOS
R5804 4.4V
C5805 16V 1u
R5805 2.2k
R5806 2.2k
R5807 2.2k
R5808 2.2k
R5822 100
R5823 100
R5824 100
R5826 100
D5805 MA3X152E0L
D5806 MA3X152E0L
D5807 MA2J11100L
D5804 MAZ31200ML
R5809 4.7k
FAN_SOS
Q5643 2SA207700L
Q5641 2SA207700L
R5643 1k
R5641 2.2k
R5644 2.2k
C5642 16V 0.1u
R5639 2.2k
R5640 4.7k
R5625 4.7k
C5641 16V 0.1u
R5654 10k
R5694 47k
Q5604 B1ABCF000138
R5632 470
R5633 1k
R5634 470
R5635 220
SUB_9V-1
D5641 MA3X152D0L
D5643 MA3X152D0L
Q5644 B1ABCF000138
R5637 10k
R5638 10k
D5635 MAZ30470HL
D5642 MAZ30620ML
D5644 MAZ30360ML
D5639 MAZ30470HL
D5640 MAZ30200HL
MAIN1.8V
R5621 4.7k
R5662 4.7k
R5664 4.7k
R5626 4.7k
R5627 4.7k
D5637 MA3X152E0L
D5638 MA3X152E0L
D5634 MA2J11100L
Q5642 2SA207700L
R5647 220
R5645 2.2k
R5648 3.9k
C5644 16V 0.1u
D5646 MA3X152E0L
R5649 100k
R5646 4.7k
D5649 MA2J11100L
R5659 470
C5643 16V 0.1u
R5642 470
R5650 220
D5647 MA3X152D0L
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-37/42PV60E, TH-37/42PX60B
PA-Board (1 of 3) Schematic Diagram

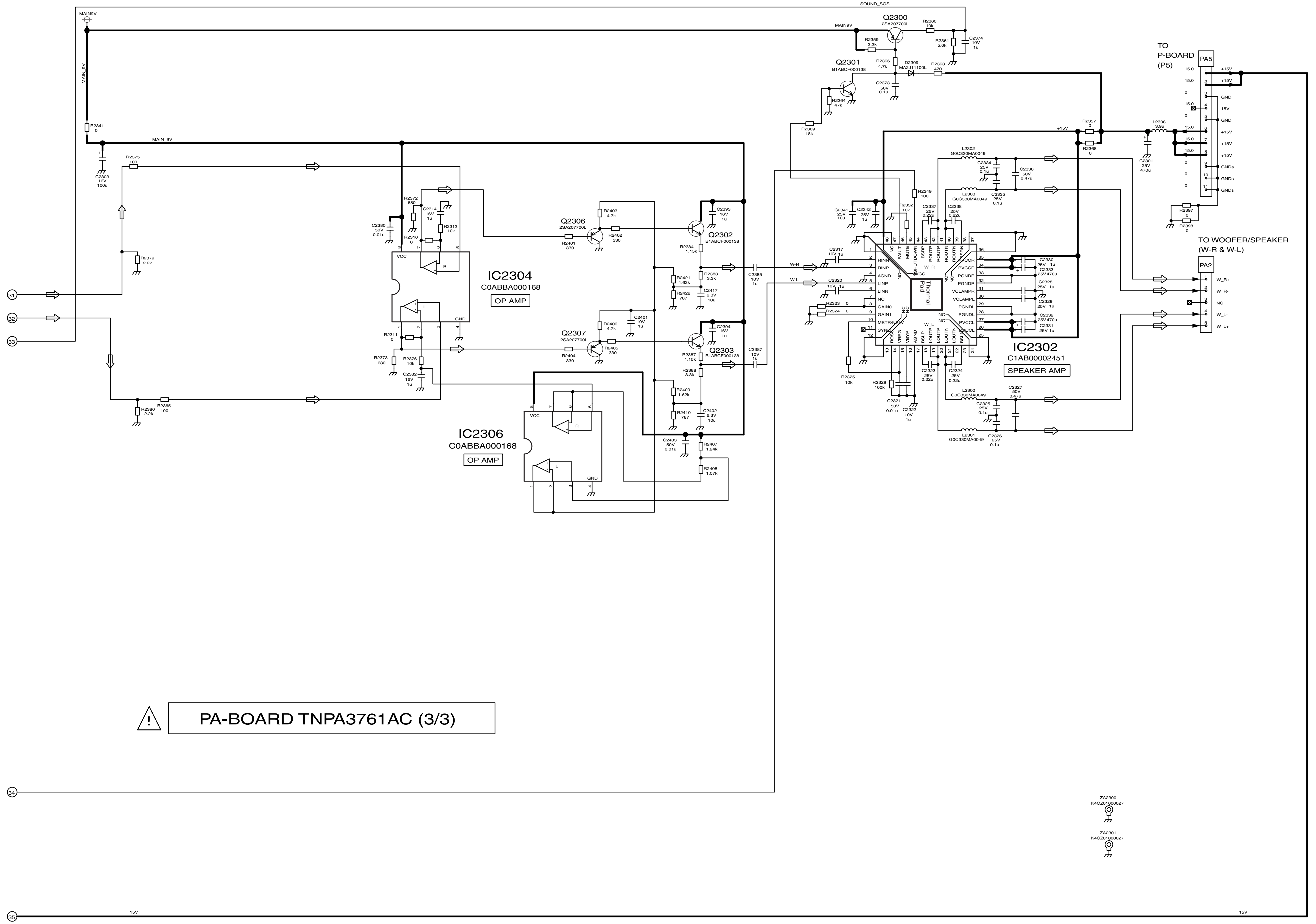
TH-37/42PV60E, TH-37/42PX60B
PA-Board (1 of 3) Schematic Diagram

PA-BOARD TNPA3761AC (2/3)


IC5602
EHMDD9851
AVR 1.8V/3.3V
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
N.C.
VIN
SW-Node1
VOUT1
VAR1
ON/OFF1
L5607 22u
L5621 G1C330MA0234
L5623 G1C150MA0234
R5607 4.53k
R5603 15.4k
C5626 16V 0.1u
C5673 16V 0.1u
C5611 50V 330u
C5616 25V 0.1u
D5612 B0BC3R700006
L5615 15u
C5622 16V 470u
C5623 25V 0.1u
C5617 16V 470u
C5618 25V 0.1u
L5612 2.7u
MAIN_3.3V
C5633 25V 220u
D5610 B0BC4R700007
NR14V
R5652 0
R5619 33k
R5620 1k
R5676 10k
R5669 47k
Q5610 B1ABCF000138
L5651 22u
L5609 22u
SUB_5V
MAIN_5V
Q5603 B1DHDC000028
C5612 16V 470u
C5613 25V 0.1u
D5607 B0BC6R600005
C5672 50V 22u
R5615 10k
Q5605 B1ABCF000138
R5653 10k
R5668 47k
R5617 1k
IC5604
C0DBZGC00067
AVR 3.3V
VIN
VOUT
GND
STBY
NC
C5645 16V 47u
C5646 50V 0.01u
C5647 16V 47u
C5648 50V 0.01u
SUB_3.3V
SUB3.3V
TPS33
TPS33V
SUFFIX
AC
JS5601 0
JS2300 0
JS2301 0
JS2302 0
JS2303 0
JS2319 0
JS2331 0
SR
SL
SOUND_SOS
TPSSOS
PA_SOS
TUNER_SUB_ON
Tuner_Main_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
TP5616
TP5617
TP5615
SOS
TV_SUB_ON
TV_MAIN_ON
TP17V
ODU_17V
ODU +B 17.5V / 0.27A
MAIN1.8V
TPM18
TPM18V
MAIN_1.8V (1.2A)
MAIN1.8V
MAIN1.8V
MAIN3.3V
TPM33
TPM33V
MAIN_3.3V(1.55A)
MAIN3.3V(1.55A/1.847A)
MAIN3.3V(1.55A/1.847A)
MAIN3.3V(1.55A/1.847A)
TPFSOS
FAN_SOS
FAN_CONT
SUB5VA
TPS5
TPS5V
SUB_5V(1.0A)
MAIN5V
TPM5
TPM5V
MAIN_5V(0.37A)
MAIN5V(0.37A/0.46A)
MAIN5V(0.37A/0.46A)
SUB5V(0.63A)
SUB5V(0.63A)
MAIN9V
TPM9
TPM9V
MAIN_9V(0.1A)
MAIN9V(0.1A/NC)
SUB9V
TPS9
TPS9V
SUB_9V(1.7A)
SUB9V(1.3A/0.766A)
SUB9V(1.3A/0.766A)
SUB9V(1.3A/0.766A)
PA 20
TO
DG-BOARD
(DG20)
TO
H-BOARD
(H40)
PA 40
TPSTB5V
SUB9V
MAIN9V
SUB5VA
SUB3.3V
MAIN3.3V
TPMUTE
AMUTE
HP_MUTE
HP_R
GND
HP_L
SUB_3.3V
MAIN_1.8V
SUB_5V
MAIN3.3V
MAIN_9V
MAIN_5V
SUB_9V
STB_5V
15V
SUB5V
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
31
32
33
34
35

TH-37/42PV60E, TH-37/42PX60B
PA-Board (2 of 3) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B
PA-Board (2 of 3) Schematic Diagram

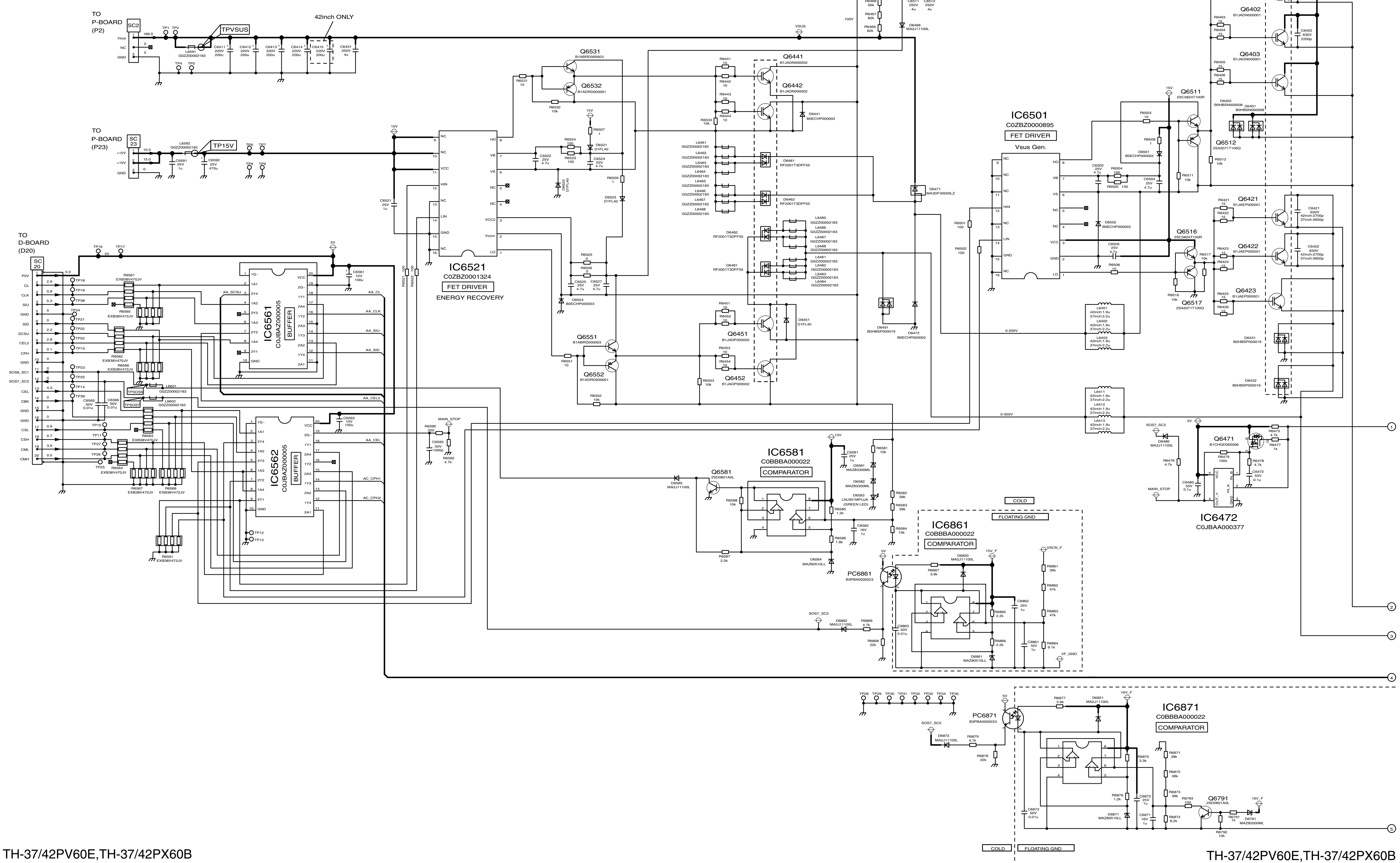

MAIN9V
SOUND_SOS
Q2300
2SA207700L
Q2301
B1ABCF000138
D2309
MA2J11100L
R2341
0
MAIN_9V
C2303
16V
100u
R2375
100
R2379
2.2k
31
32
33
34
35
15V
IC2304
C0ABBA000168
OP AMP
IC2306
C0ABBA000168
OP AMP
VCC
GND
Q2306
2SA207700L
Q2307
2SA207700L
Q2302
B1ABCF000138
Q2303
B1ABCF000138
W-R
W-L
IC2302
C1AB00002451
SPEAKER AMP
Thermal Pad
RINN
RINP
AGND
LINP
LINN
NC
GAIN0
GAIN1
MSTR/SLV
SYNC
PVCCR
PGNDR
VCLAMPR
VCLAMPL
PGNDL
PVCCL
SHUTDOWN
FAULT
MUTE
BSRP
ROUTP
ROUTN
BSRN
BSLP
LOUTP
LOUTN
BSLN
ROSC
VREG
VBYP
L2302
G0C330MA0049
L2303
G0C330MA0049
L2300
G0C330MA0049
L2301
G0C330MA0049
L2308
3.9u
C2301
25V
470u
+15V
TO
P-BOARD
(P5)
PA5
GND
15V
GNDs
TO WOOFER/SPEAKER
(W-R & W-L)
PA2
W_R+
W_R-
NC
W_L-
W_L+
ZA2300
K4CZ01000027
ZA2301
K4CZ01000027

PA-BOARD TNPA3761AC (3/3)

TH-37/42PV60E, TH-37/42PX60B
PA-Board (3 of 3) Schematic Diagram

TH-37/42PV60E, TH-37/42PX60B
PA-Board (3 of 3) Schematic Diagram

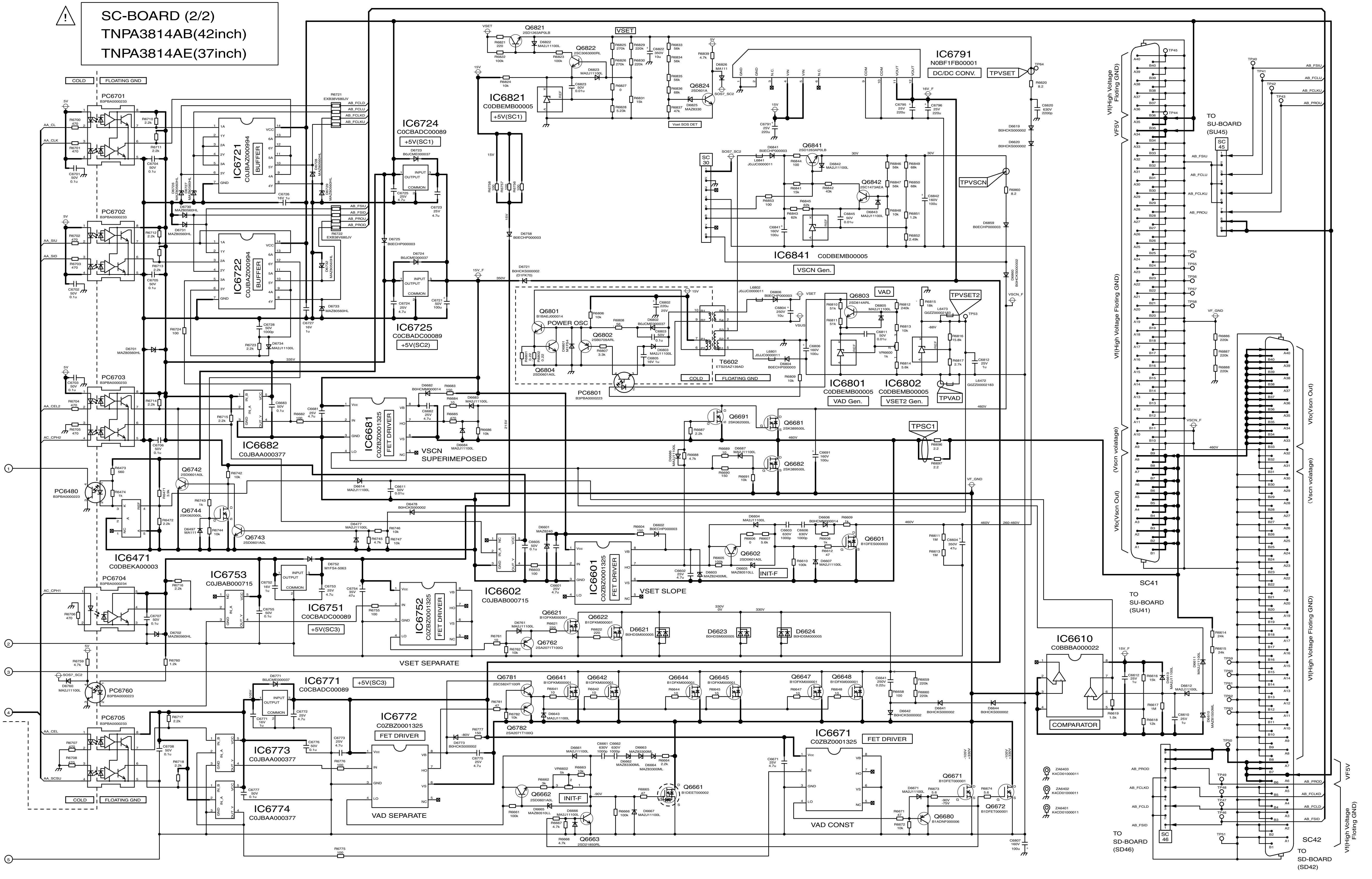
⚠ SC-BOARD (1/2)
TNPA3814AB(42inch)
TNPA3814AE(37inch)


TO P-BOARD (P2)
SC2
Vsus
NC
GND
TP1
TP2
TPVSUS
42inch ONLY
L6591 G0ZZ00002183
C6411 220V 200u
C6412 220V 200u
C6413 220V 200u
C6414 220V 200u
C6415 220V 200u
C6431 250V 4u
TP4
TP5
TO P-BOARD (P23)
SC23
+15V
GND
L6592 G0ZZ00002183
TP15V
C6591 25V 1u
C6592 25V 470u
TP6
TP7
TP8
TP9
TO D-BOARD (D20)
SC20
P5V
CL
CLK
SIU
GND
SID
SCSU
CEL2
CPH
SOS6_SC1
SOS7_SC2
CEL
CBK
CSL
CSH
CML
CMH
IC6561
C0JBAZ000005
BUFFER
IC6562
C0JBAZ000005
BUFFER
AA_SCSU
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AA_CEL
AC_CPH1
AC_CPH2
TPSOS6
TPSOS7
L6601 G0ZZ00002183
L6602 G0ZZ00002183
R6561 EXB38V470JV
R6562 EXB38V470JV
R6563 EXB38V470JV
R6564 EXB38V470JV
R6565 EXB38V472JV
R6566 EXB38V472JV
R6567 EXB38V472JV
R6568 EXB38V472JV
R6591 EXB38V472JV
C6561 10V 100u
C6563 10V 100u
TP12
TP13
IC6521
C0ZBZ0001324
FET DRIVER
ENERGY RECOVERY
Q6531 B1ABRD000003
Q6532 B1ADRD000001
Q6551 B1ABRD000003
Q6552 B1ADRD000001
D6521 D1FL40
D6522 D1FL40
D6523 D1FL40
D6524 B0ECHP000003
Q6441 B1JADN000002
Q6442 B1JADN000002
Q6451 B1JADP000002
Q6452 B1JADP000002
D6441 B0ECHP000003
D6451 D1FL40
D6461 RF2001T3DFF55
D6462 RF2001T3DFF55
D6481 RF2001T3DFF55
D6482 RF2001T3DFF55
D6466 MA2J11100L
D6471 MA3DF30000LZ
D6472 B0ECHP000003
D6491 B0HBSP000019
C6511 250V 4u
C6512 250V 4u
VSUS
100V
MAIN_STOP
IC6581
C0BBBA000022
COMPARATOR
Q6581 2SD0601A0L
D6581 MAZ8300ML
D6582 MAZ8300ML
D6583 LNJ301MPUJA (GREEN LED)
D6584 MAZ8051OLL
D6585 MA2J11100L
IC6501
C0ZBZ0000895
FET DRIVER
Vsus Gen.
Q6511 2SC5824T100R
Q6512 2SA2071T100Q
Q6516 2SC5824T100R
Q6517 2SA2071T100Q
D6501 B0ECHP000003
D6502 B0ECHP000003
Q6401 B1JADN000001
Q6402 B1JADN000001
Q6403 B1JADN000001
D6401 B0HBSN000008
D6402 B0HBSN000008
Q6421 B1JAEP000001
Q6422 B1JAEP000001
Q6423 B1JAEP000001
D6431 B0HBSP000019
D6432 B0HBSP000019
C6401 630V 5600p
C6402 630V 2200p
C6421 630V 42inch:2700p 37inch:5600p
C6422 630V 42inch:2700p 37inch:5600p
L6401 42inch:1.9u 37inch:2.2u
L6402 42inch:1.9u 37inch:2.2u
L6403 42inch:1.9u 37inch:2.2u
L6411 42inch:1.9u 37inch:2.2u
L6412 42inch:1.9u 37inch:2.2u
L6413 42inch:1.9u 37inch:2.2u
0-200V
0-305V
Q6471 B1CHGD000006
IC6472
C0JBAA000377
SOS7_SC2
D6480 MA2J11100L
5V
COLD
FLOATING GND
IC6861
C0BBBA000022
COMPARATOR
PC6861 B3PBA0000223
D6820 MA2J11100L
D6861 MAZ8051OLL
D6862 MA2J11100L
15V_F
VSCN_F
VF_GND
IC6871
C0BBBA000022
COMPARATOR
PC6871 B3PBA0000223
D6821 MA2J11100L
D6871 MAZ8051OLL
D6872 MA2J11100L
Q6791 2SD0601A0L
D6791 MAZ82000ML
16V_F
TP28
TP29
TP30
TP31
TP32
TP33
TP34
TP35
①
②
③
④
⑤
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PV60E,TH-37/42PX60B
SC-Board (1 of 2) Schematic Diagram

TH-37/42PV60E,TH-37/42PX60B
SC-Board (1 of 2) Schematic Diagram

SC-BOARD (2/2)
TNPA3814AB(42inch)
TNPA3814AE(37inch)

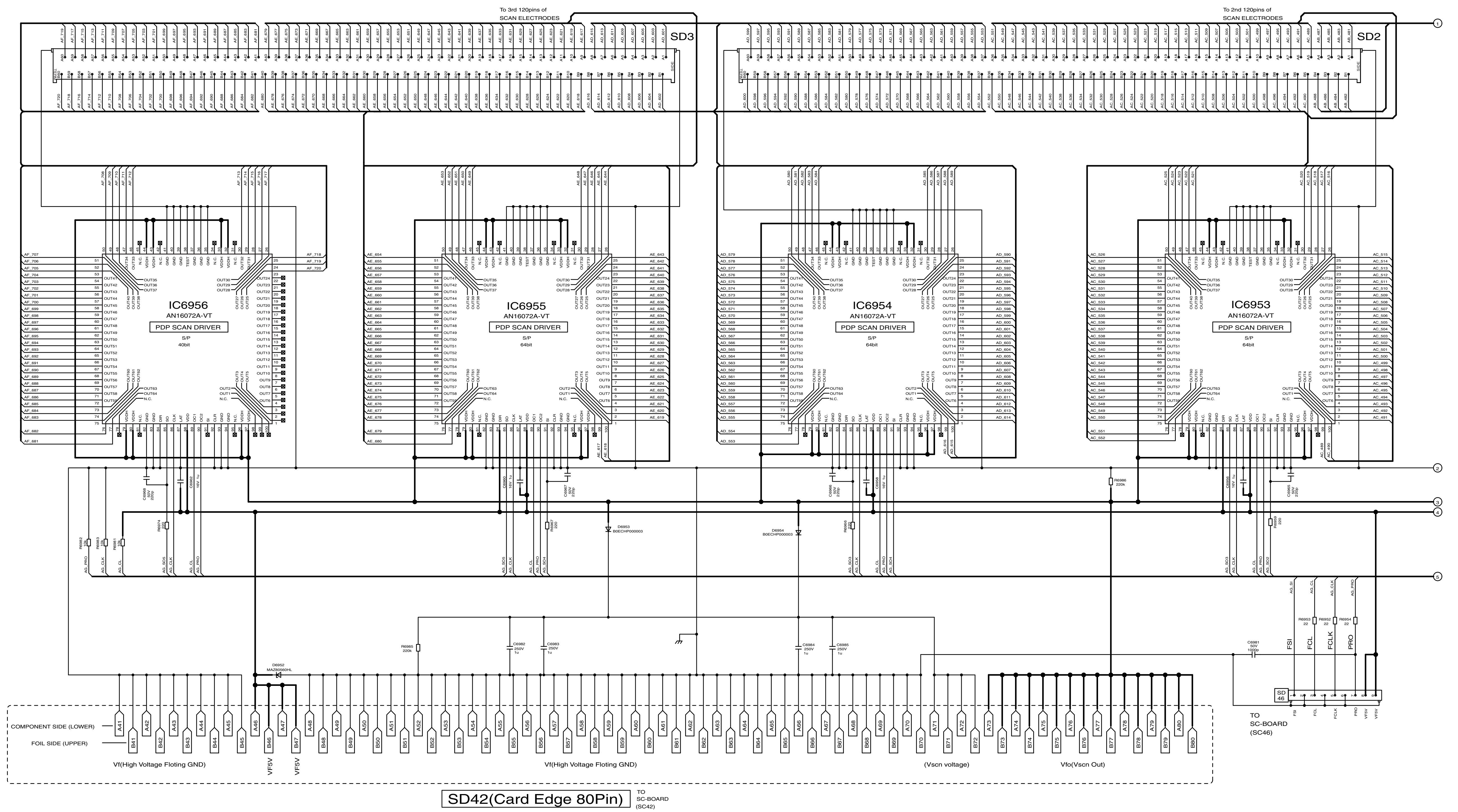

COLD
FLOATING GND
PC6701
B3PBA0000233
PC6702
PC6703
PC6704
B3PBA0000234
PC6705
PC6480
PC6760
IC6721
C0JBAZ000994
BUFFER
IC6722
C0JBAZ000994
BUFFER
IC6724
C0CBADC00089
+5V(SC1)
IC6725
C0CBADC00089
+5V(SC2)
IC6821
C0DBEMB00005
+5V(SC1)
Q6821
2SD1263AP0LB
Q6822
2SC3063000RL
Q6824
2SD601A
VSET
Vset SOS DET
IC6791
N0BF1FB00001
DC/DC CONV.
TPVSET
SC 30
SOS7_SC2
Q6841
2SD1263AP0LB
Q6842
2SC1473AEA
TPVSCN
IC6841
C0DBEMB00005
VSCN Gen.
Q6801
B1BAEJ000014
POWER OSC
Q6802
2SB0709ARL
Q6804
2SD0601A0L
T6602
ETS25AZ139AD
COLD
FLOATING GND
PC6801
B3PBA0000223
Q6803
2SD814ARL
VAD
TPVSET2
IC6801
C0DBEMB00005
VAD Gen.
IC6802
C0DBEMB00005
VSET2 Gen.
TPVAD
IC6682
C0JBAA000377
IC6681
C0ZBZ0001325
FET DRIVER
VSCN SUPERIMPOSED
Q6691
2SK0620000L
Q6681
2SK3895000L
Q6682
2SK3895000L
TPSC1
Q6742
2SD0601A0L
Q6744
2SK0620000L
Q6743
2SD0601A0L
IC6471
C0DBEKA00003
IC6753
C0JBAB000715
IC6751
C0CBADC00089
+5V(SC3)
IC6752
C0ZBZ0001325
FET DRIVER
VSET SEPARATE
IC6602
C0JBAB000715
IC6601
C0ZBZ0001325
FET DRIVER
VSET SLOPE
Q6602
2SD0601A0L
INIT-F
Q6601
B1DFES000003
Q6621
B1DFKM000001
Q6622
B1DFKM000001
Q6762
2SA2071T100Q
D6621
D6623
D6624
B0HDSM000005
IC6610
C0BBBA000022
COMPARATOR
IC6771
C0CBADC00089
+5V(SC3)
IC6772
C0ZBZ0001325
FET DRIVER
VAD SEPARATE
IC6773
C0JBAA000377
IC6774
C0JBAA000377
Q6781
2SC5824T100R
Q6782
2SA2071T100Q
Q6641
Q6642
Q6644
Q6645
Q6647
Q6648
B1DFKM000001
Q6661
B1DEET000002
Q6662
2SD0601A0L
INIT-F
Q6663
2SD2185RL
IC6671
C0ZBZ0001325
FET DRIVER
VAD CONST
Q6671
B1DFET000001
Q6672
B1DFET000001
Q6680
B1ADNF000006
ZA6403
ZA6402
ZA6401
K4CD01000011
SC41
TO SU-BOARD (SU41)
TO SU-BOARD (SU45)
SC 45
SC42
TO SD-BOARD (SD42)
SC 46
TO SD-BOARD (SD46)
Vf(High Voltage Floting GND)
VF5V
Vfo(Vscn Out)
(Vscn voltage)
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AC_CPH2
AC_CPH1
AA_CEL
AA_SCSU
①
②
③
④
⑤

TH-37/42PV60E,TH-37/42PX60B
SC-Board (2 of 2) Schematic Diagram

TH-37/42PV60E,TH-37/42PX60B
SC-Board (2 of 2) Schematic Diagram

10 11 12 13 14 15 16 17 18

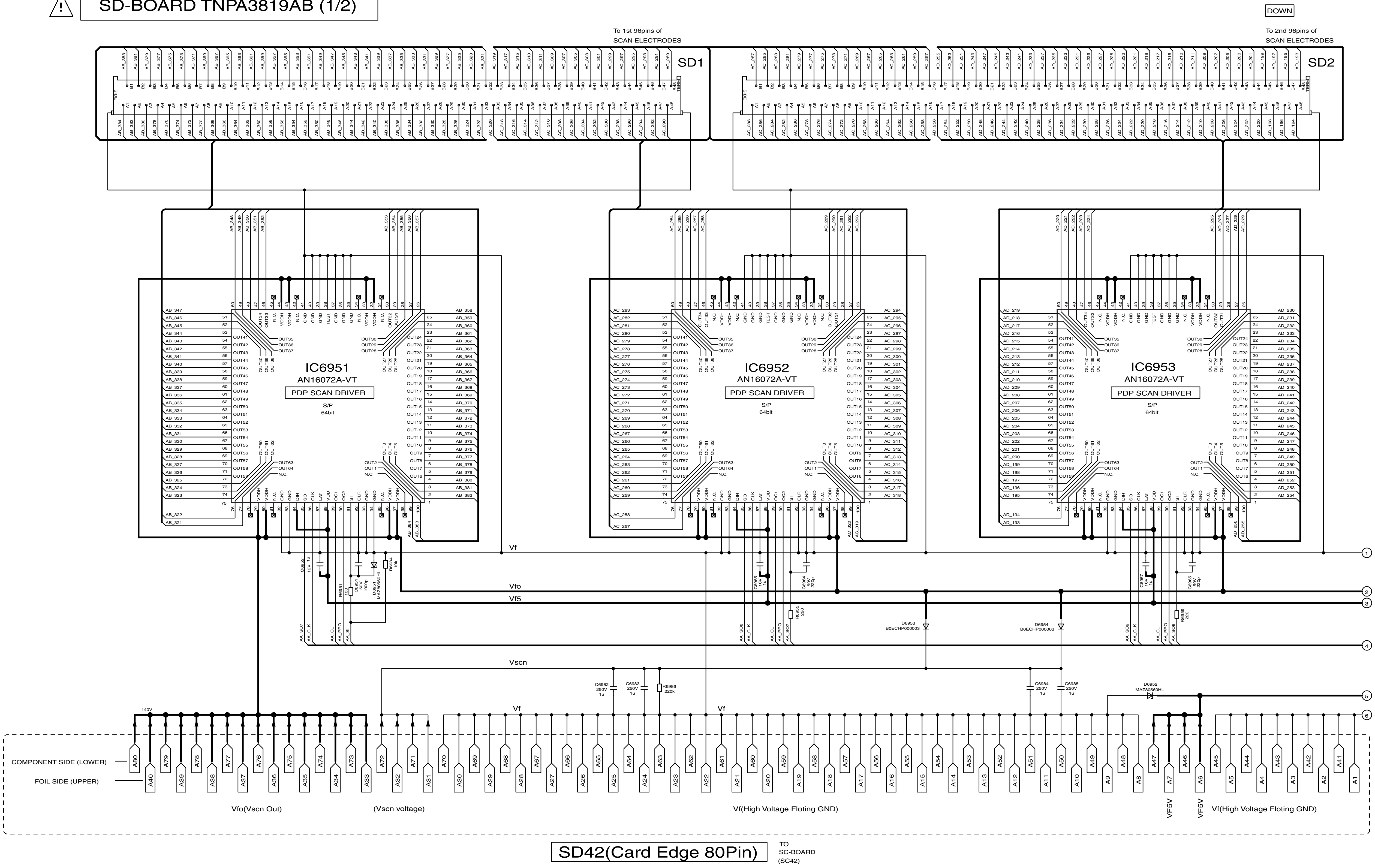
SD-BOARD TNPA3809AB (1/2)


To 3rd 120pins of SCAN ELECTRODES
SD3
To 2nd 120pins of SCAN ELECTRODES
SD2
IC6956
AN16072A-VT
PDP SCAN DRIVER
S/P
40bit
IC6955
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6954
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6953
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
D6953
B0ECHP000003
D6954
B0ECHP000003
R6986
220k
R6985
220k
C6982
250V
1u
C6983
250V
1u
C6984
250V
1u
C6985
250V
1u
D6952
MAZ80560HL
C6981
50V
1000p
R6953
22
R6952
22
R6954
22
FSI
FCL
FCLK
PRO
SD46
TO
SC-BOARD
(SC46)
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
(Vscn voltage)
Vfo(Vscn Out)
SD42(Card Edge 80Pin)
TO
SC-BOARD
(SC42)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37PV60E, TH-37PX60B
SD-Board (1 of 2) Schematic Diagram

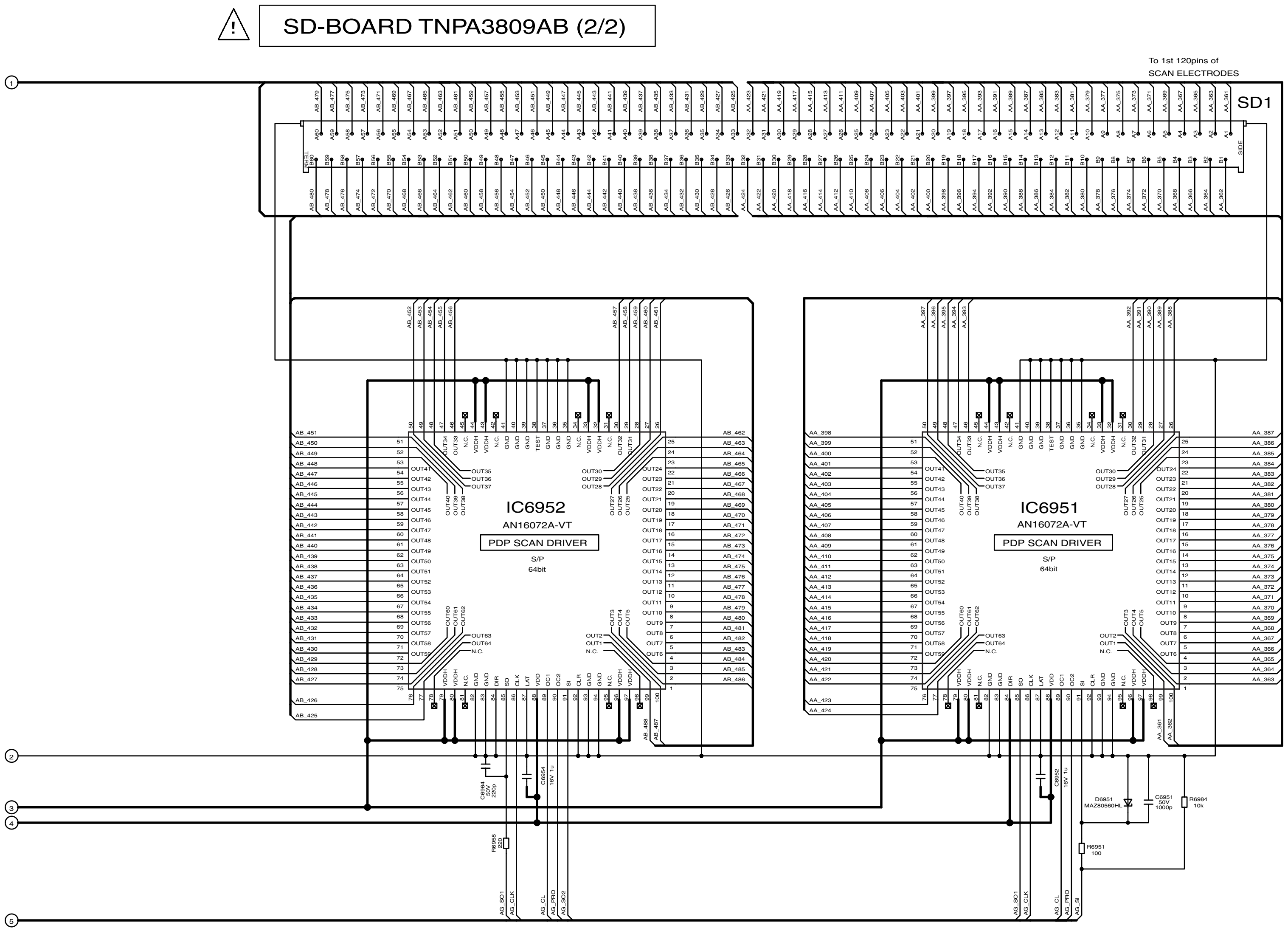
TH-37PV60E, TH-37PX60B
SD-Board (1 of 2) Schematic Diagram

SD-BOARD TNPA3819AB (1/2)


DOWN
To 1st 96pins of
SCAN ELECTRODES
To 2nd 96pins of
SCAN ELECTRODES
SD1
SD2
IC6951
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6952
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6953
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
D6953
B0ECHP000003
D6954
B0ECHP000003
D6952
MAZ80560HL
D6951
MAZ80560HL
C6982
250V
1u
C6983
250V
1u
R6986
220k
C6984
250V
1u
C6985
250V
1u
140V
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vfo(Vscn Out)
(Vscn voltage)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
SD42(Card Edge 80Pin)
TO
SC-BOARD
(SC42)
A
B
C
D
E
1
2
3
4
5
6
7
8

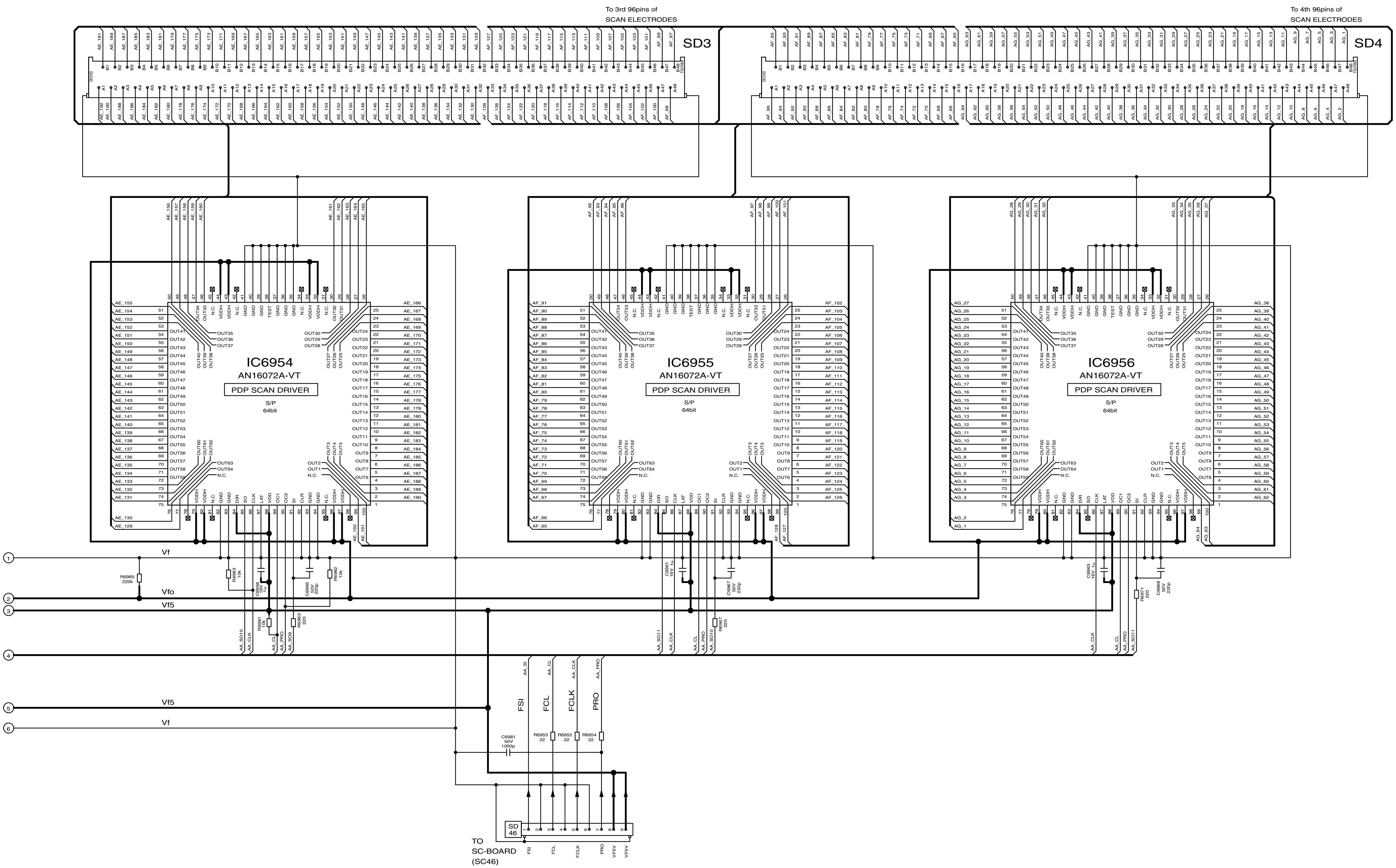
TH-42PV60E, TH-42PX60B
SD-Board (1 of 2) Schematic Diagram

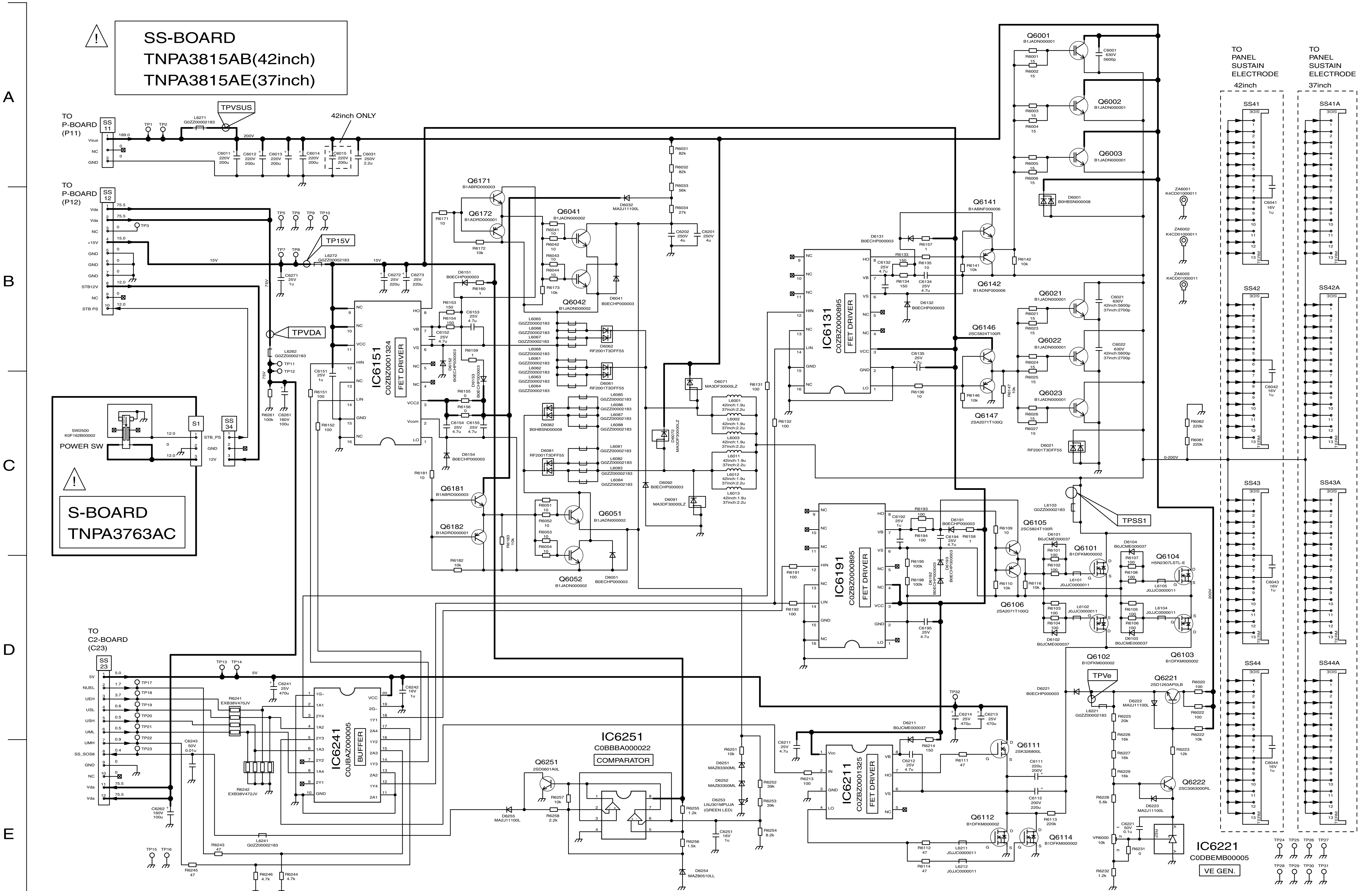
TH-42PV60E, TH-42PX60B
SD-Board (1 of 2) Schematic Diagram



SD-BOARD TNPA3809AB (2/2)
To 1st 120pins of
SCAN ELECTRODES
SD1
IC6952
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6951
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6964
50V
220p
C6954
16V 1u
R6958
220
C6952
16V 1u
D6951
MAZ80560HL
C6951
50V
1000p
R6984
10k
R6951
100
AG_SO1
AG_CLK
AG_CL
AG_PRO
AG_SO2
AG_SI
1
2
3
4
5

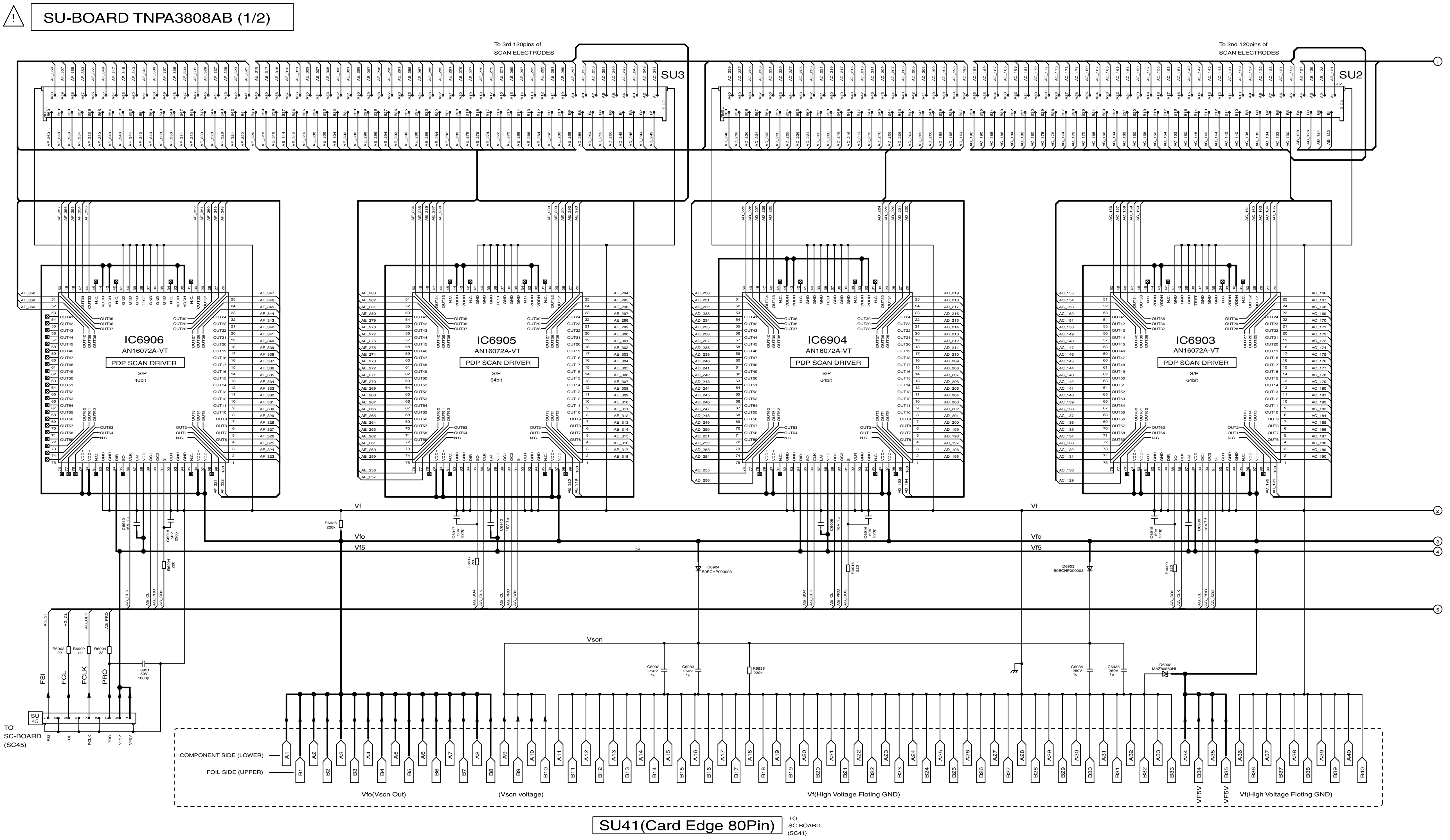
SD-BOARD TNPA3819AB (2/2)


DOWN
To 3rd 96pins of
SCAN ELECTRODES
To 4th 96pins of
SCAN ELECTRODES
SD3
SD4
IC6954
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6955
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6956
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vf5
Vf
R6985
220k
R6983
10k
C6958
16V
1u
C6966
50V
220p
R6982
10k
R6981
10k
R6963
220
C6961
16V 1u
C6967
50V
220p
R6967
220
C6963
16V 1u
R6971
220
C6968
50V
220p
AA_SO10
AA_CLK
AA_CL
AA_PRO
AA_SO9
AA_SO11
AA_SI
FSI
FCL
FCLK
PRO
C6981
50V
1000p
R6953
22
R6952
22
R6954
22
SD
46
TO
SC-BOARD
(SC46)
FSI
FCL
FCLK
PRO
VF5V
VF5V


SS-BOARD
TNPA3815AB(42inch)
TNPA3815AE(37inch)
S-BOARD
TNPA3763AC
TO P-BOARD (P11)
TO P-BOARD (P12)
TO C2-BOARD (C23)
TO PANEL SUSTAIN ELECTRODE 42inch
TO PANEL SUSTAIN ELECTRODE 37inch
42inch ONLY
TPVSUS
TP15V
TPVDA
TPSS1
TPVe
POWER SW
SW2500
K0F162B00002
IC6151
C0ZBZ0001324
FET DRIVER
IC6131
C0ZBZ0000895
IC6191
C0ZBZ0000895
IC6211
C0ZBZ0001325
IC6241
C0JBAZ000005
BUFFER
IC6251
C0BBBA000022
COMPARATOR
IC6221
C0DBEMB00005
VE GEN.
Q6001
Q6002
Q6003
B1JADN000001
Q6021
Q6022
Q6023
Q6041
Q6042
B1JADN000002
Q6051
Q6052
Q6101
Q6102
Q6103
Q6104
Q6105
Q6106
Q6111
Q6112
Q6114
Q6141
Q6142
Q6146
Q6147
Q6171
Q6172
Q6181
Q6182
Q6221
Q6222
Q6251
SS41
SS42
SS43
SS44
SS41A
SS42A
SS43A
SS44A
SS11
SS12
SS23
SS34
S1
ZA6001
ZA6002
ZA6005
K4CD01000011
Vsus
Vda
NC
GND
+15V
STB12V
STB PS
STB_PS
12V
5V
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
200V
15V
75V
0-200V
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-37/42PV60E, TH-37/42PX60B
SS and S-Board Schematic Diagram

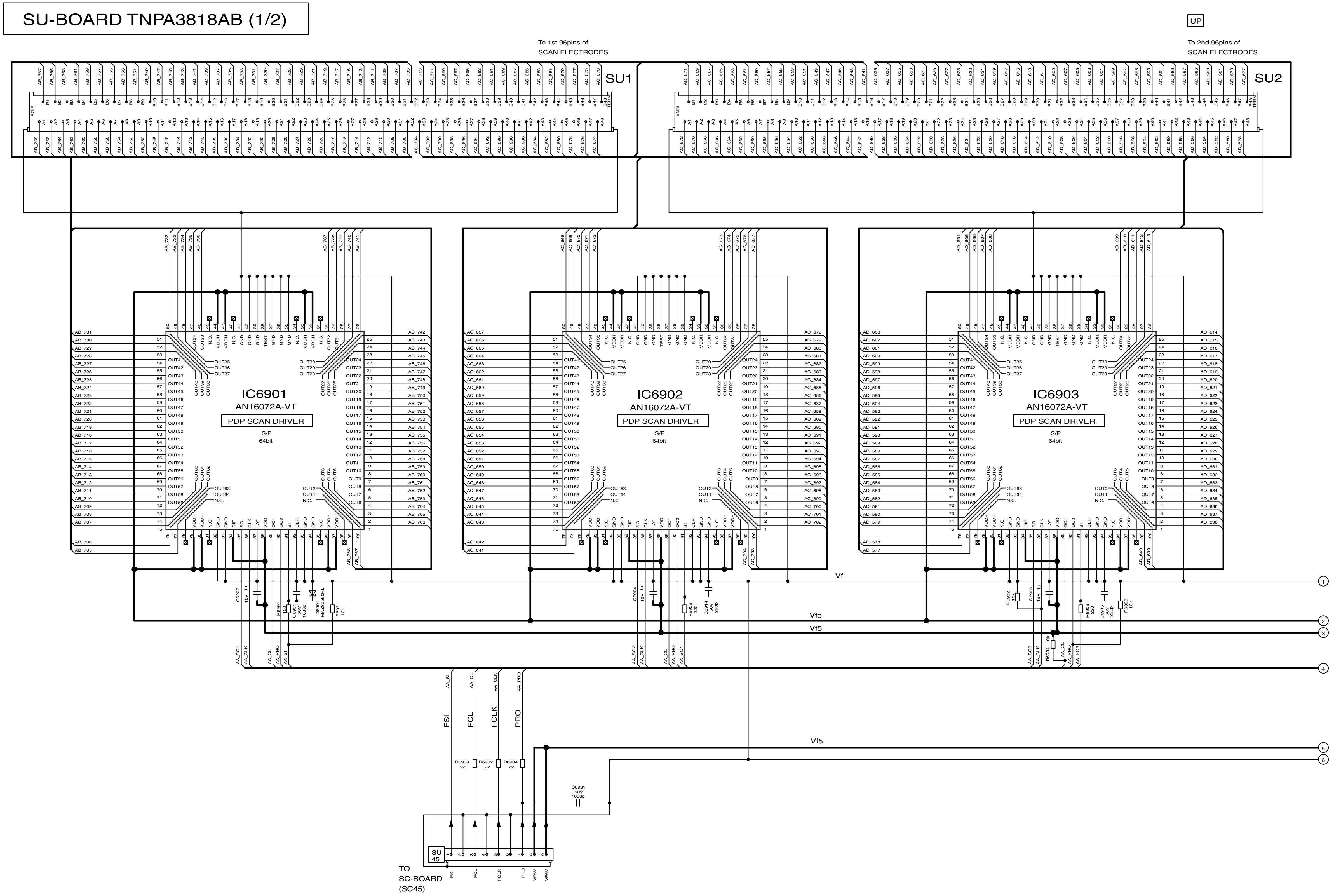
TH-37/42PV60E, TH-37/42PX60B
SS and S-Board Schematic Diagram


SU-BOARD TNPA3808AB (1/2)
To 3rd 120pins of SCAN ELECTRODES
To 2nd 120pins of SCAN ELECTRODES
SU3
SU2
IC6906
AN16072A-VT
PDP SCAN DRIVER
S/P 40bit
IC6905
AN16072A-VT
PDP SCAN DRIVER
S/P 64bit
IC6904
AN16072A-VT
PDP SCAN DRIVER
S/P 64bit
IC6903
AN16072A-VT
PDP SCAN DRIVER
S/P 64bit
Vf
Vfo
Vf5
Vscn
D6904 B0ECHP000003
D6903 B0ECHP000003
D6902 MAZ80560HL
R6936 220k
R6935 220k
C6932 250V 1u
C6933 250V 1u
C6934 250V 1u
C6935 250V 1u
C6931 50V 1000p
R6903 22
R6902 22
R6904 22
FSI
FCL
FCLK
PRO
SU 45
TO SC-BOARD (SC45)
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vfo(Vscn Out)
(Vscn voltage)
Vf(High Voltage Floting GND)
VF5V
SU41(Card Edge 80Pin)
TO SC-BOARD (SC41)
①
②
③
④
⑤
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37PV60E, TH-37PX60B
SU-Board (1 of 2) Schematic Diagram

TH-37PV60E, TH-37PX60B
SU-Board (1 of 2) Schematic Diagram

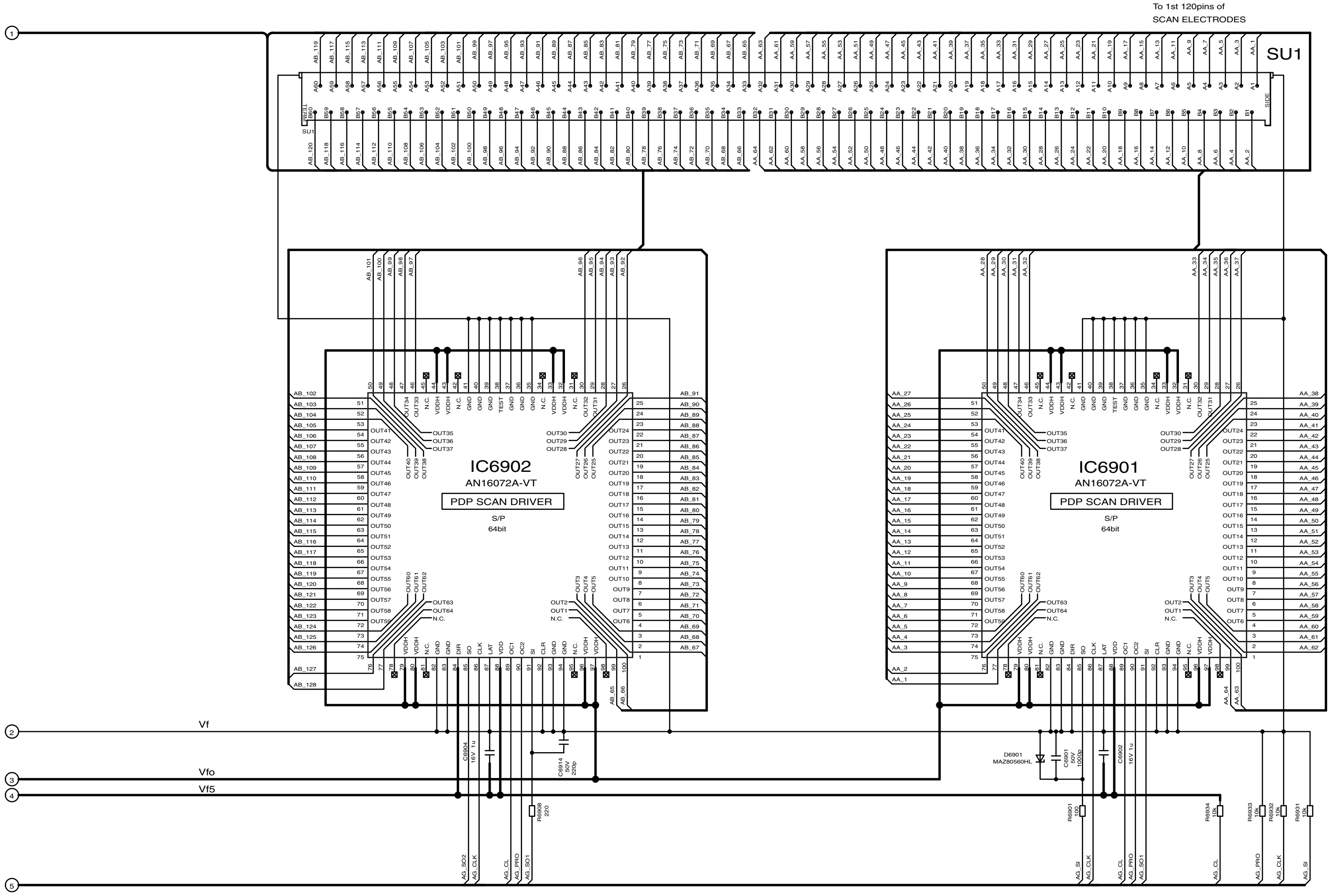
SU-BOARD TNPA3818AB (1/2)


UP
To 1st 96pins of SCAN ELECTRODES
To 2nd 96pins of SCAN ELECTRODES
SU1
SU2
IC6901
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6902
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6903
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vf5
AA_SI
AA_CL
AA_CLK
AA_PRO
FSI
FCL
FCLK
PRO
R6903 22
R6902 22
R6904 22
C6931 50V 1000p
C6902 16V 1u
R6901 100
C6901 50V 1000p
D6901 MAZ8056GHL
R6931 10k
C6904 16V 1u
R6905 220
C6914 50V 220p
R6932 10k
C6906 16V 1u
R6934 10k
R6909 220
C6915 50V 220p
R6933 10k
SU 45
FSI
FCL
FCLK
PRO
VF5V
VF5V
TO SC-BOARD (SC45)
①
②
③
④
⑤
⑥

TH-42PV60E, TH-42PX60B
SU-Board (1 of 2) Schematic Diagram

TH-42PV60E, TH-42PX60B
SU-Board (1 of 2) Schematic Diagram

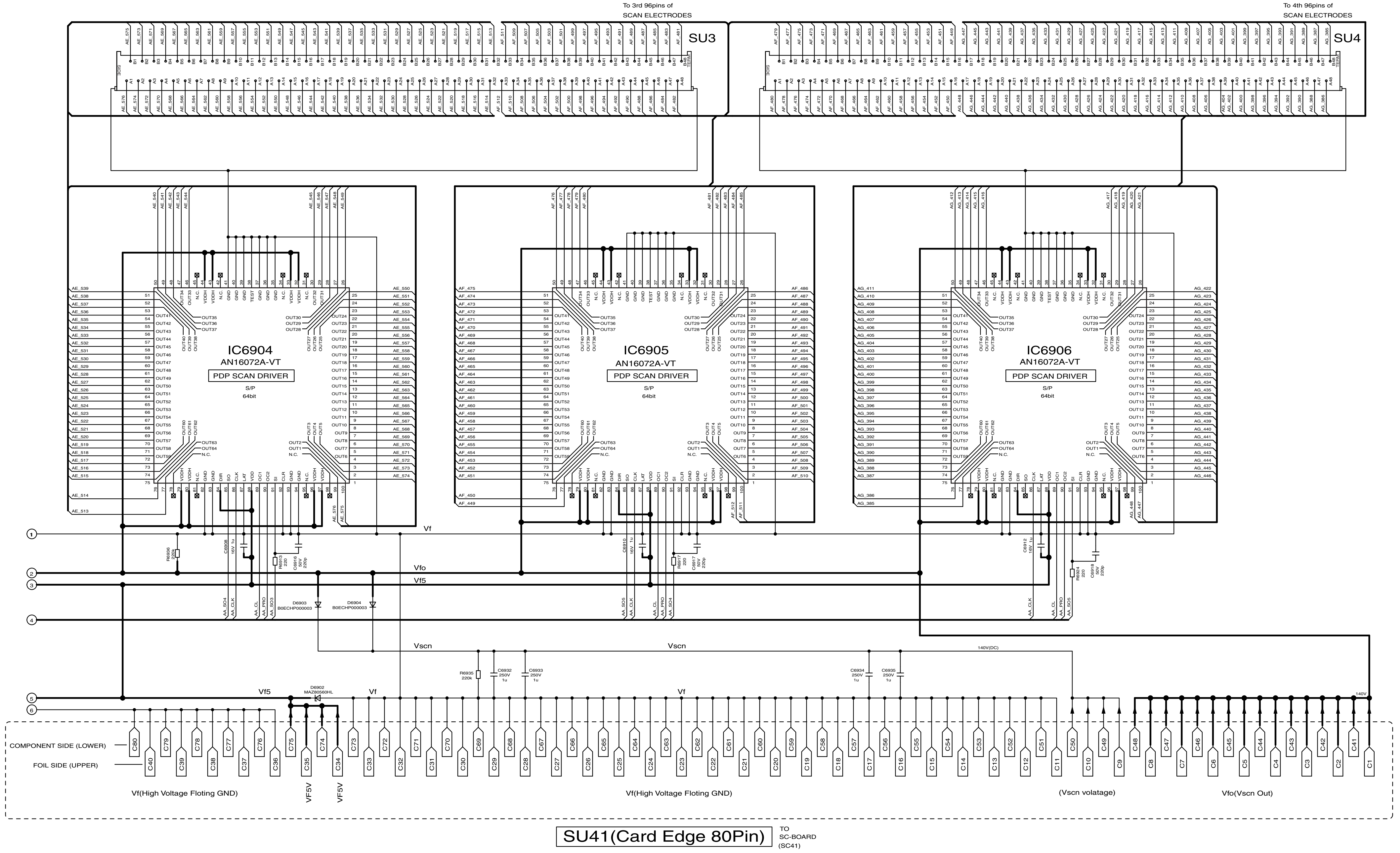
SU-BOARD TNPA3808AB (2/2)


To 1st 120pins of
SCAN ELECTRODES
SU1
IC6902
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
D6901
MAZ80560HL
AG_SO2
AG_CLK
AG_CL
AG_PRO
AG_SO1
AG_SI
①
②
③
④
⑤

TH-37PV60E, TH-37PX60B
SU-Board (2 of 2) Schematic Diagram

TH-37PV60E, TH-37PX60B
SU-Board (2 of 2) Schematic Diagram

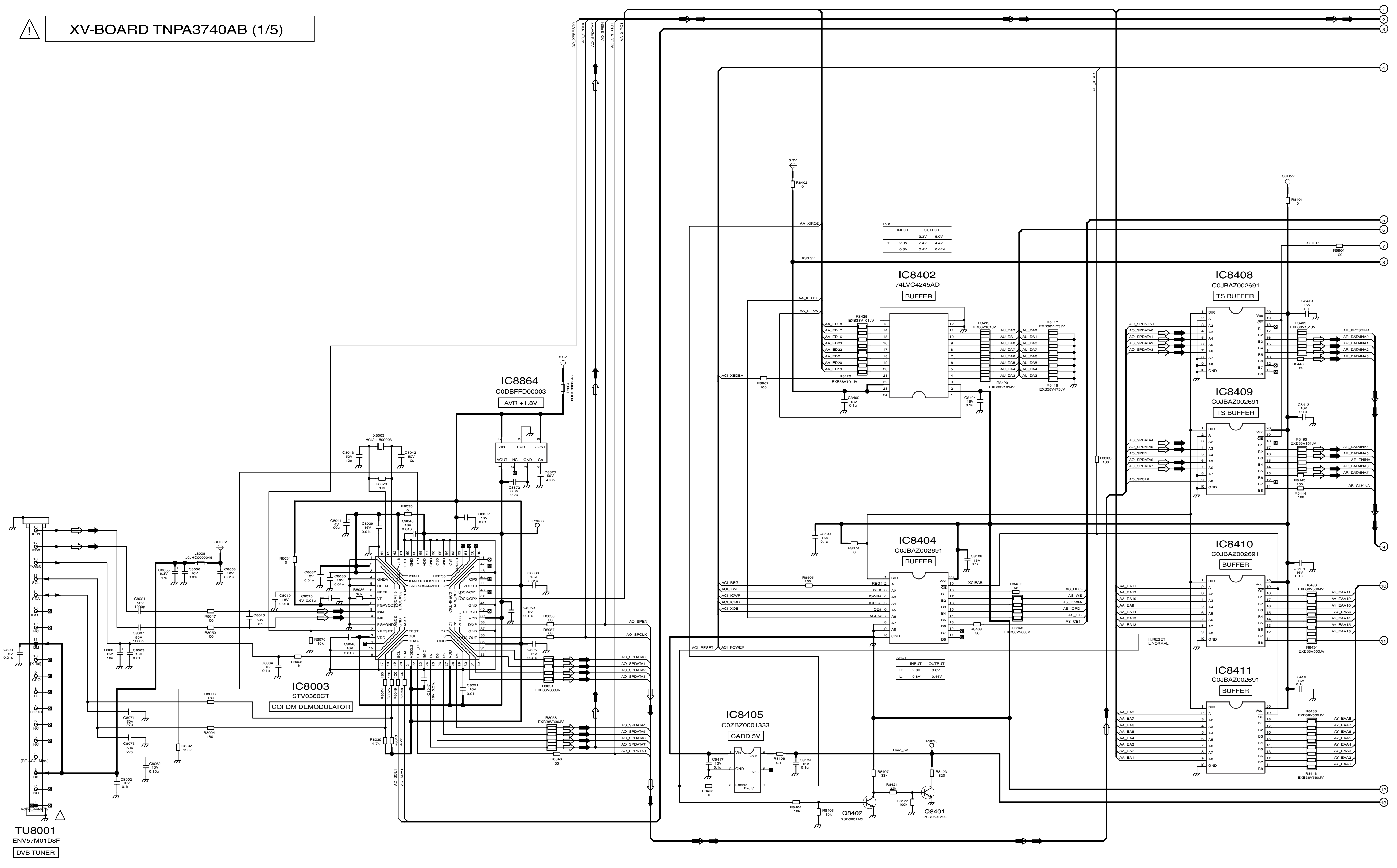
SU-BOARD TNPA3818AB (2/2)


UP
To 3rd 96pins of SCAN ELECTRODES
SU3
To 4th 96pins of SCAN ELECTRODES
SU4
IC6904
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6905
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6906
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
140V(DC)
140V
D6903
B0ECHP000003
D6904
B0ECHP000003
D6902
MAZ80560HL
R6935
220k
C6932
250V
1u
C6933
250V
1u
C6934
250V
1u
C6935
250V
1u
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
(Vscn volatage)
Vfo(Vscn Out)
SU41(Card Edge 80Pin)
TO
SC-BOARD
(SC41)

TH-42PV60E, TH-42PX60B
SU-Board (2 of 2) Schematic Diagram

TH-42PV60E, TH-42PX60B
SU-Board (2 of 2) Schematic Diagram

XV-BOARD TNPA3740AB (1/5)



A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
AO_XFERST0
AO_SPCLK
AO_SPDATA7
AO_SPEN
AO_SPPKTST
AA_XIRQ1
ACI_XEAB
3.3V
R8402
0
AA_XIRQ2
AS3.3V
AA_XECS3
AA_ERXW
ACI_XEDBA
R8962
100
IC8402
74LVC4245AD
BUFFER
R8425
EXB38V101JV
R8426
EXB38V101JV
R8419
EXB38V101JV
R8420
EXB38V101JV
R8417
EXB38V473JV
R8418
EXB38V473JV
AA_ED18
AA_ED17
AA_ED16
AA_ED23
AA_ED22
AA_ED21
AA_ED20
AA_ED19
AU_DA2
AU_DA1
AU_DA0
AU_DA7
AU_DA6
AU_DA5
AU_DA4
AU_DA3
C8409
16V
0.1u
C8404
16V
0.1u
SUB5V
R8401
0
XCIETS
R8964
100
IC8408
C0JBAZ002691
TS BUFFER
C8419
16V
0.1u
R8469
EXB38V151JV
R8446
150
AO_SPPKTST
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
AR_PKTSTINA
AR_DATAINA0
AR_DATAINA1
AR_DATAINA2
AR_DATAINA3
IC8409
C0JBAZ002691
TS BUFFER
C8413
16V
0.1u
R8495
EXB38V151JV
R8445
150
R8444
100
AO_SPDATA4
AO_SPDATA5
AO_SPEN
AO_SPDATA6
AO_SPDATA7
AO_SPCLK
AR_DATAINA4
AR_DATAINA5
AR_ENINA
AR_DATAINA6
AR_DATAINA7
AR_CLKINA
R8963
100
IC8864
C0DBFFD00003
AVR +1.8V
L8004
J0JHC0000045
VIN
SUB
CONT
VOUT
NC
GND
Cn
C8872
6.3V
2.2u
C8870
50V
470p
X8003
H0J241500003
C8043
50V
10p
C8042
50V
10p
R8073
1M
C8052
16V
0.01u
TP8033
C8041
4V
100u
C8039
16V
0.01u
R8035
0
C8046
16V
0.01u
IC8003
STV0360CT
COFDM DEMODULATOR
XTALI
XTALO
GNDXTAL
HFEC0
CLK/HFEC1
DATA/HFEC2
GNDA
REFM
REFP
VR
PGAVCC
INM
INP
PGAGND
XRESET
VDD
TEST
SCLT
SDAT
OP0
VDD3.3
LOCK/OP1
LOCK/OP2
GND
ERROR
VDD
D/XP
OUT
R8034
0
C8037
16V
0.01u
C8030
16V
0.01u
R8036
16k
C8019
16V
0.01u
C8020
16V
0.01u
C8060
16V
0.01u
C8059
16V
0.01u
R8056
33
R8057
68
C8061
16V
0.01u
R8076
10k
C8040
16V
0.01u
C8004
10V
0.1u
R8008
1k
R8051
EXB38V330JV
AO_SPEN
AO_SPCLK
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
R8058
EXB38V330JV
R8046
33
AO_SPDATA4
AO_SPDATA5
AO_SPDATA6
AO_SPDATA7
AO_SPPKTST
C8047
16V
0.01u
C8051
16V
0.01u
R8074
R8075
R8039
4.7k
R8040
4.7k
AD_SCL1
AD_SDA1
SUB5V
L8008
J0JHC0000045
C8055
6.3V
47u
C8056
16V
0.01u
C8058
16V
0.01u
C8021
50V
1000p
R8047
100
C8015
50V
8p
C8007
50V
1000p
R8050
100
C8005
16V
10u
C8003
16V
0.01u
C8001
16V
0.01u
R8003
180
R8004
180
C8071
50V
27p
C8073
50V
27p
R8041
150k
C8062
10V
0.15u
C8002
10V
0.1u
IFD1
IFD2
IF-AGC
SCL
SDA
IFA1
NC
BM
[X-Tal]
GPO
TU
DC/DC
NC
NC
[RF-AGC_Mon.]
BB
NC
Ant
Ant_Antenna
TU8001
ENV57M01D8F
DVB TUNER
C8403
16V
0.1u
R8474
0
IC8404
C0JBAZ002691
BUFFER
C8406
16V
0.1u
R8505
100
ACI_REG
ACI_XWE
ACI_IOWR
ACI_IORD
ACI_XOE
REG#
WE#
IOWR#
IORD#
OE#
XCES3
DIR
Vcc
OE
XCIEAB
R8467
56
R8466
EXB38V560JV
R8468
56
AS_REG-
AS_WE-
AS_IOWR-
AS_IORD-
AS_OE-
AS_CE1-
ACI_RESET
ACI_POWER
IC8410
C0JBAZ002691
BUFFER
C8414
16V
0.1u
R8496
EXB38V560JV
R8434
EXB38V560JV
AA_EA11
AA_EA12
AA_EA10
AA_EA9
AA_EA14
AA_EA15
AA_EA13
AY_EAA11
AY_EAA12
AY_EAA10
AY_EAA9
AY_EAA14
AY_EAA15
AY_EAA13
H:RESET
L:NORMAL
IC8411
C0JBAZ002691
BUFFER
C8416
16V
0.1u
R8433
EXB38V560JV
R8443
EXB38V560JV
AA_EA8
AA_EA7
AA_EA6
AA_EA5
AA_EA4
AA_EA3
AA_EA2
AA_EA1
AY_EAA8
AY_EAA7
AY_EAA6
AY_EAA5
AY_EAA4
AY_EAA3
AY_EAA2
AY_EAA1
IC8405
C0ZBZ0001333
CARD 5V
Vin
Vout
GND
N/C
Enable
Fault/
C8417
16V
0.1u
R8406
0.1
C8424
16V
0.1u
R8403
0
Card_5V
TP8025
R8407
33k
R8423
820
R8421
22k
R8422
100k
R8404
10k
R8405
10k
Q8402
2SD0601A0L
Q8401
2SD0601A0L
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

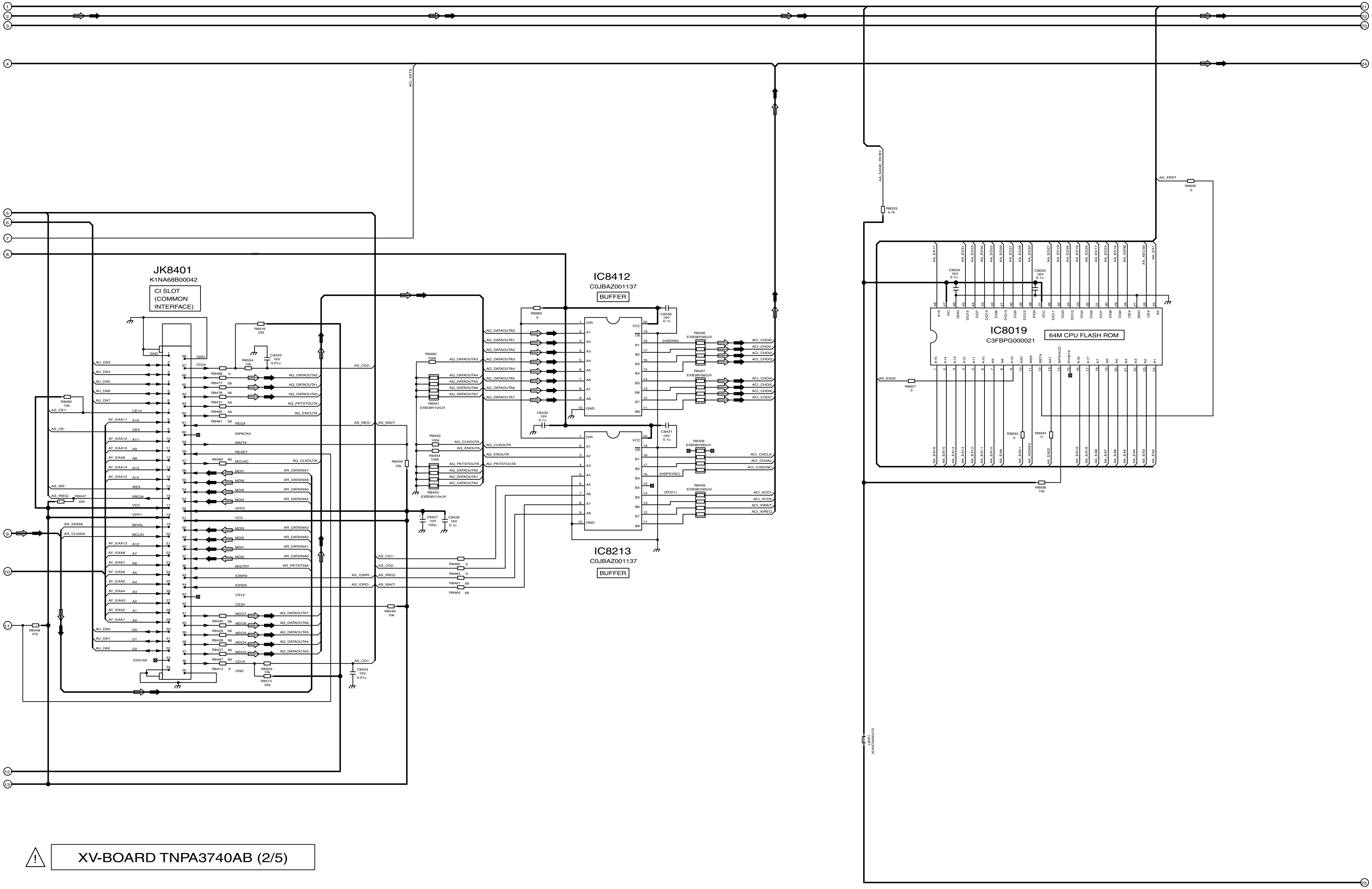
LVX

	INPUT	OUTPUT 3.3V	OUTPUT 5.0V
H:	2.0V	2.4V	4.4V
L:	0.8V	0.4V	0.44V

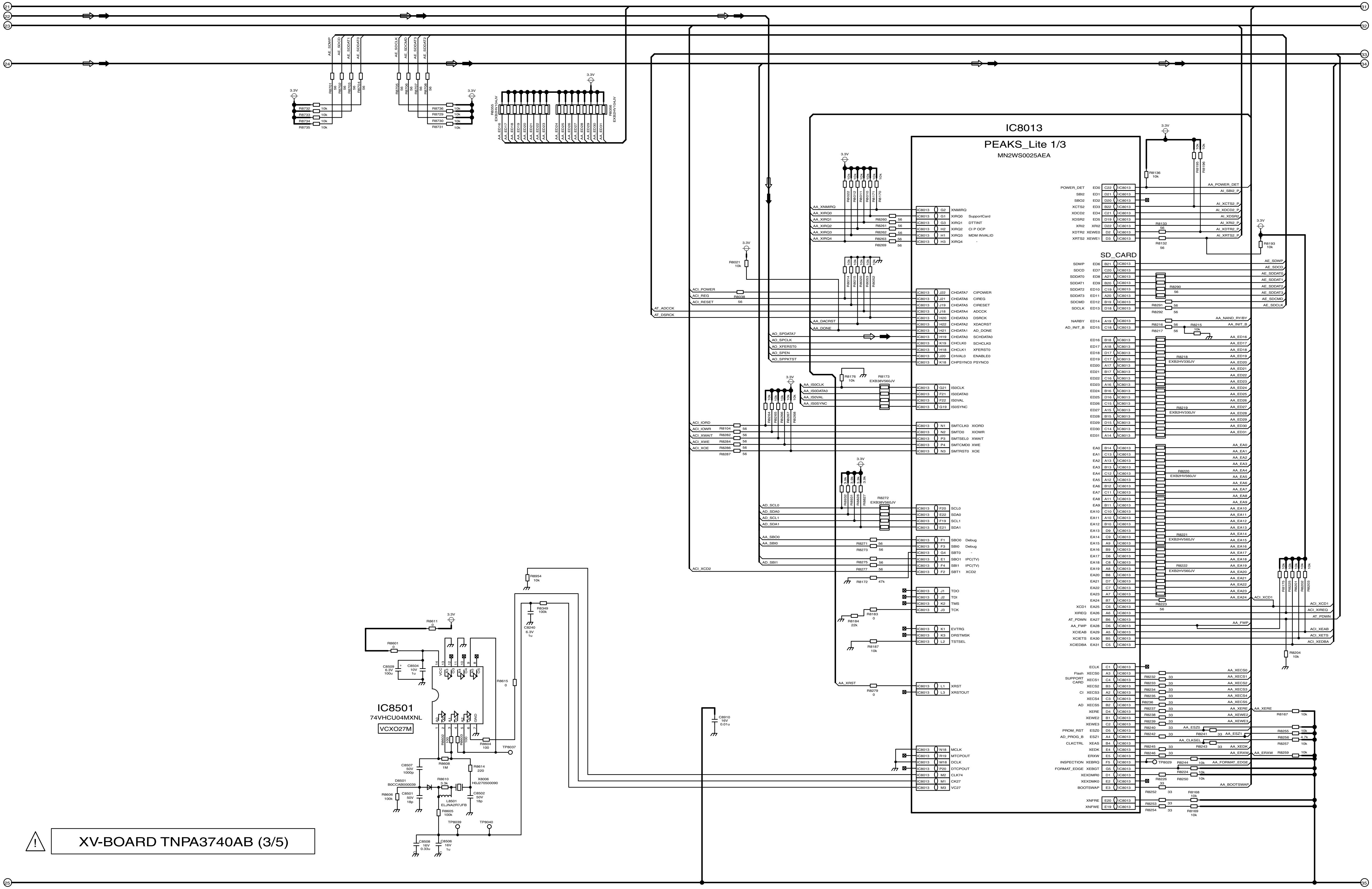
AHCT

	INPUT	OUTPUT
H:	2.0V	3.8V
L:	0.8V	0.44V

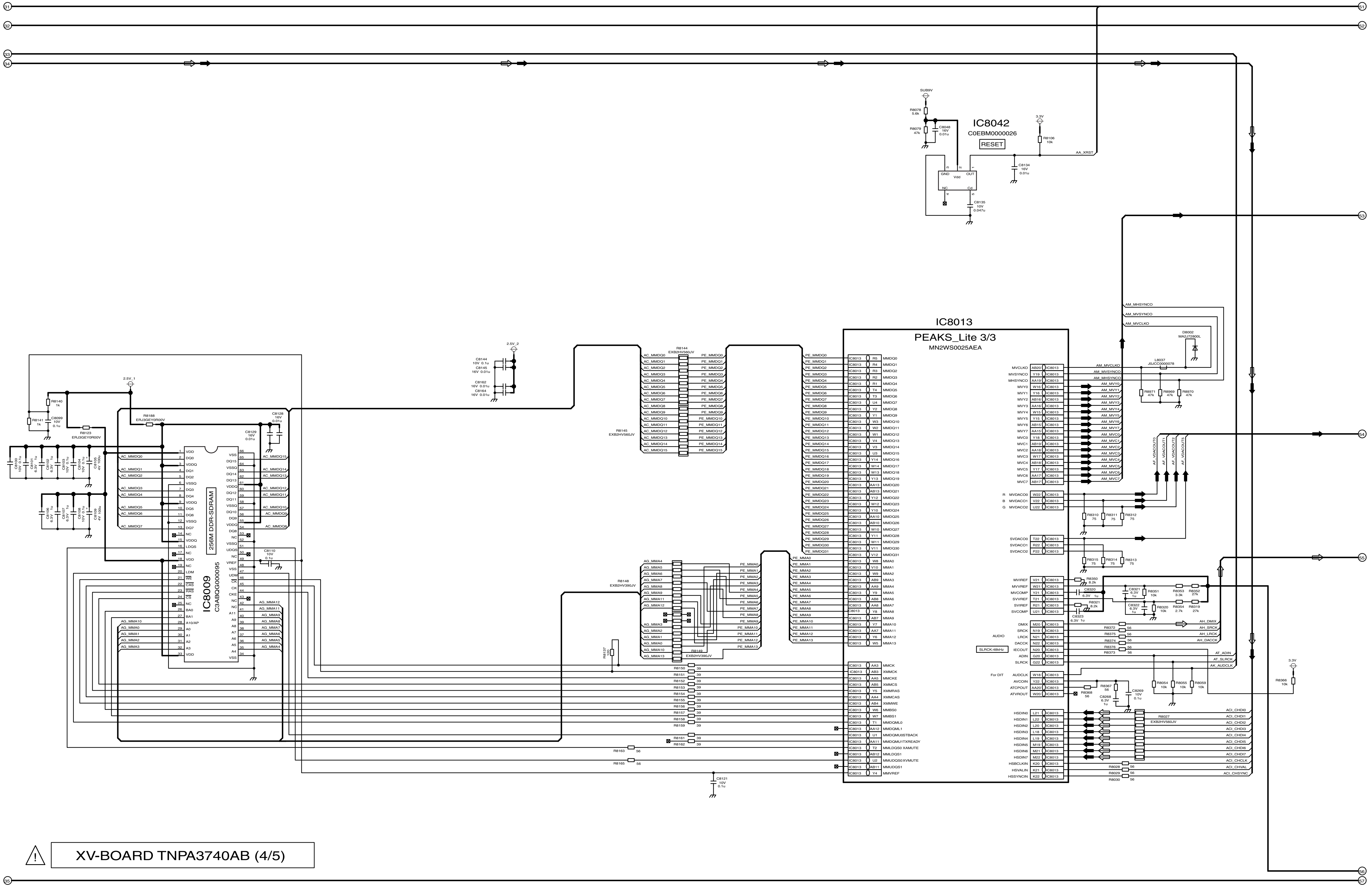
TH-37/42PX60B
XV-Board (1 of 5) Schematic Diagram


JK8401
K1NA68B00042
CI SLOT
(COMMON
INTERFACE)
IC8412
C0JBAZ001137
BUFFER
IC8213
C0JBAZ001137
BUFFER
IC8019
C3FBPG000021
64M CPU FLASH ROM
10
11
12
13
14
15
16
17
18

⚠ XV-BOARD TNPA3740AB (2/5)


XV-BOARD TNPA3740AB (3/5)
IC8013
PEAKS_Lite 1/3
MN2WS0025AEA
SD_CARD
IC8501
74VHCU04MXNL
VCXO27M
3.3V

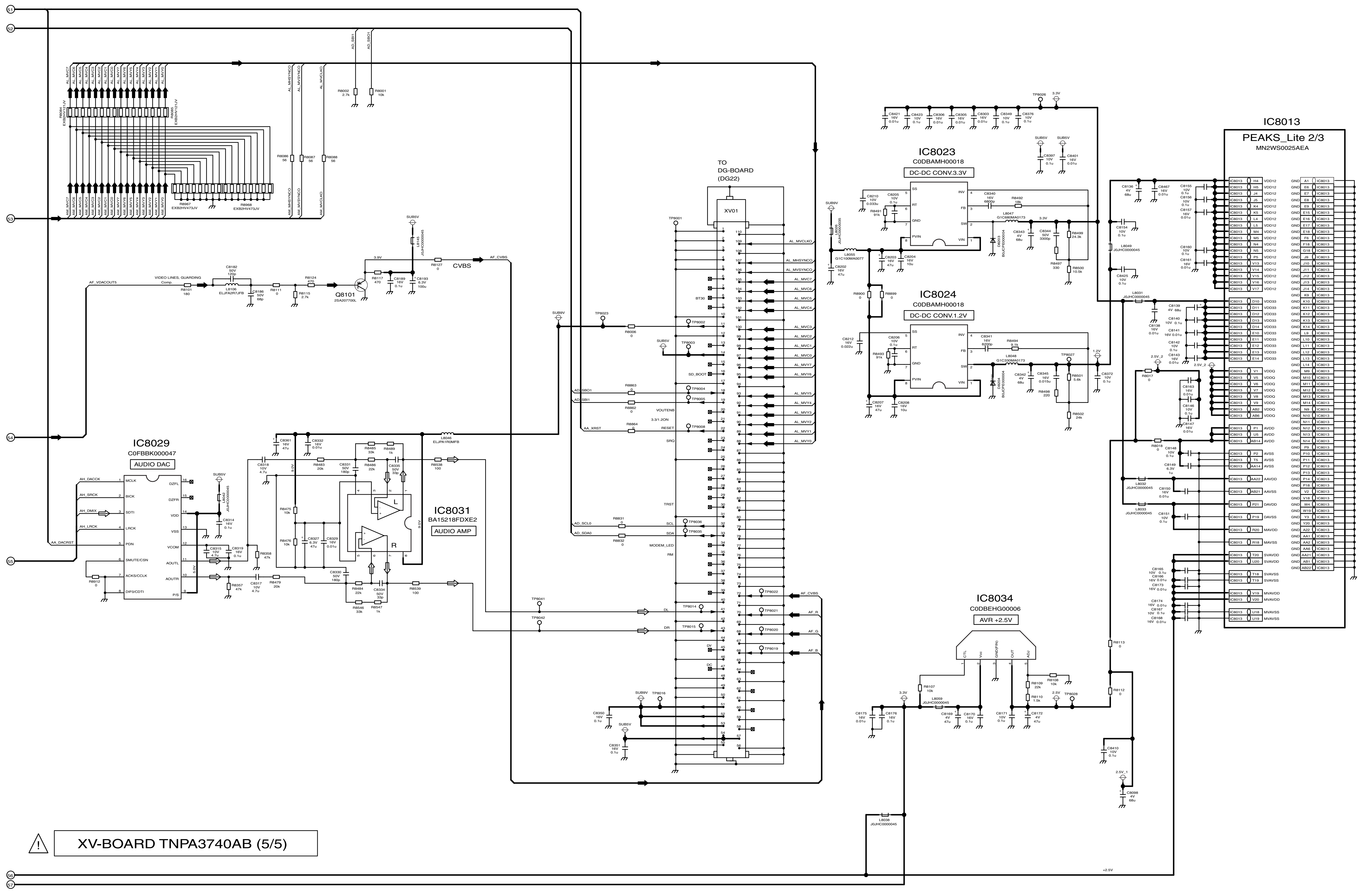
TH-37/42PX60B
XV-Board (3 of 5) Schematic Diagram


IC8042
C0EBM0000026
RESET
SUB9V
3.3V
AA_XRST
IC8013
PEAKS_Lite 3/3
MN2WS0025AEA
IC8009
C3ABQG000095
256M DDR-SDRAM
2.5V_1
2.5V_2
AM_MHSYNCO
AM_MVSYNCO
AM_MVCLKO
D8002
MA2J72800L
L8037
J0JCC0000078
AUDIO
SLRCK:48kHz
For DIT
AH_DMIX
AH_SRCK
AH_LRCK
AH_DACCK
AT_ADIN
AT_SLRCK
AK_AUDCLK
ACI_CHDI0
ACI_CHDI1
ACI_CHDI2
ACI_CHDI3
ACI_CHDI4
ACI_CHDI5
ACI_CHDI6
ACI_CHDI7
ACI_CHCLK
ACI_CHVAL
ACI_CHSYNC
XV-BOARD TNPA3740AB (4/5)

TH-37/42PX60B
XV-Board (4 of 5) Schematic Diagram

TH-37/42PX60B
XV-Board (4 of 5) Schematic Diagram

28 29 30 31 32 33 34 35 36


IC8029
C0FBBK000047
AUDIO DAC
IC8031
BA15218FDXE2
AUDIO AMP
IC8023
C0DBAMH00018
DC-DC CONV.3.3V
IC8024
C0DBAMH00018
DC-DC CONV.1.2V
IC8013
PEAKS_Lite 2/3
MN2WS0025AEA
IC8034
C0DBEHG00006
AVR +2.5V
TO
DG-BOARD
(DG22)
XV01
Q8101
2SA2077000L
CVBS
VIDEO LINES, GUARDING
Comp.
AF_VDACOUT5
AF_CVBS
AA_DACRST
AH_DACCK
AH_SRCK
AH_DMIX
AH_LRCK
SUB9V
SUB5V
3.3V
1.2V
2.5V
+2.5V
51
52
53
54
55
56
57

XV-BOARD TNPA3740AB (5/5)

14 Schemaatic and Block Diagram

14.1. Schematic Diagram Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ▽ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source AC220-240V, 50/60Hz
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.

8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.

   All circuits, except the Power Circuit, are cold.

   Precautions

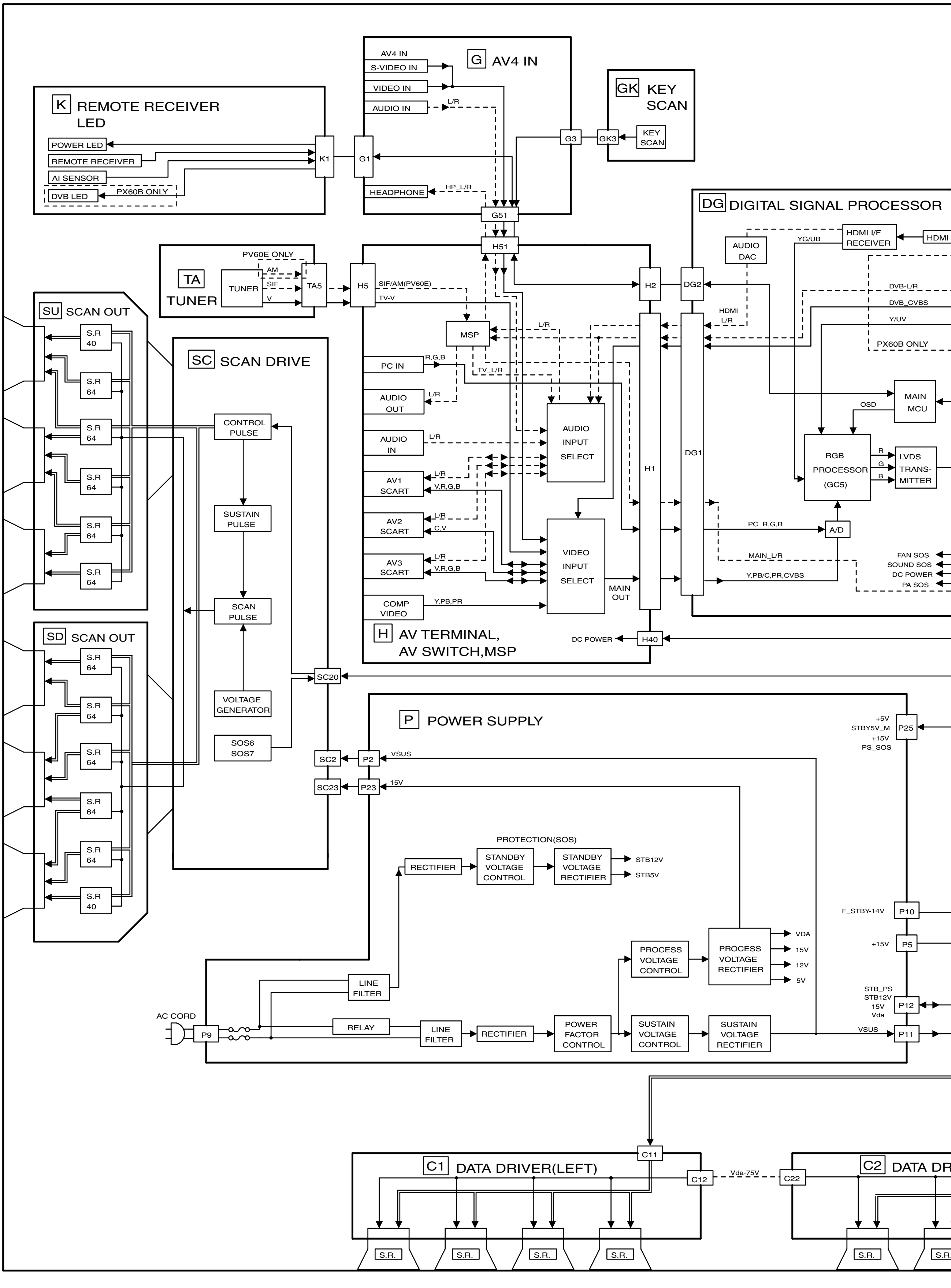
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.

   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.

   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.

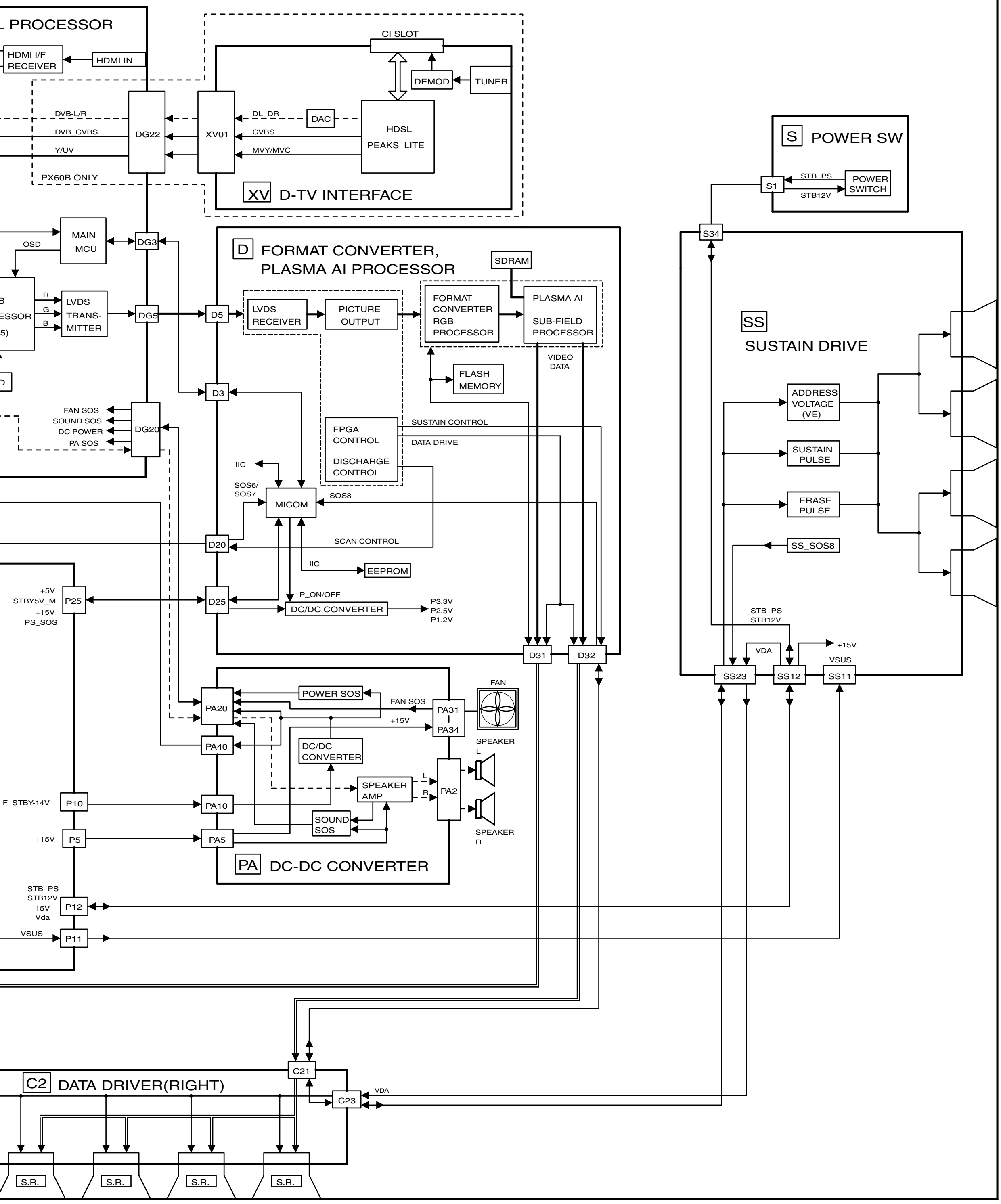
   d. Make sure to disconnect the power plug before removing the chassis.

14.2. Main Block Diagram (37inch)



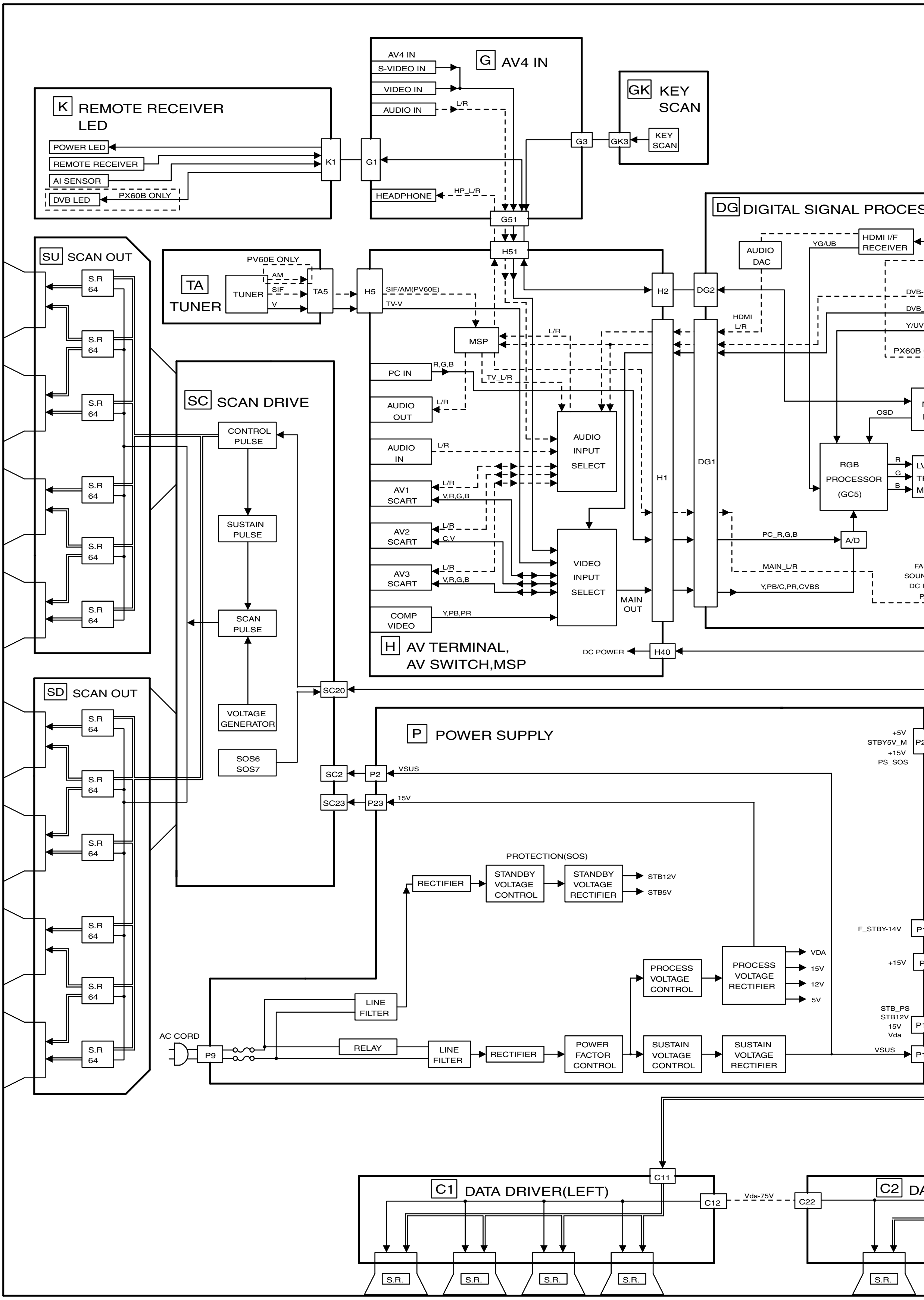
G AV4 IN
AV4 IN
S-VIDEO IN
VIDEO IN
AUDIO IN
L/R
HEADPHONE
HP_L/R
G1
G3
G51
GK KEY SCAN
GK3
KEY SCAN
K REMOTE RECEIVER LED
POWER LED
REMOTE RECEIVER
AI SENSOR
DVB LED
PX60B ONLY
K1
TA TUNER
PV60E ONLY
TUNER
AM
SIF
V
TA5
H5
SIF/AM(PV60E)
TV-V
H51
H2
MSP
L/R
TV_L/R
PC IN
R,G,B
AUDIO OUT
AUDIO IN
AV1 SCART
V,R,G,B
AV2 SCART
C,V
AV3 SCART
COMP VIDEO
Y,PB,PR
AUDIO INPUT SELECT
VIDEO INPUT SELECT
MAIN OUT
H1
H AV TERMINAL, AV SWITCH,MSP
DC POWER
H40
DG DIGITAL SIGNAL PROCESSOR
AUDIO DAC
HDMI I/F RECEIVER
HDMI
YG/UB
HDMI L/R
DG2
DG1
DVB-L/R
DVB_CVBS
Y/UV
PX60B ONLY
MAIN MCU
OSD
RGB PROCESSOR (GC5)
R
G
B
LVDS TRANS-MITTER
A/D
PC_R,G,B
MAIN_L/R
Y,PB/C,PR,CVBS
FAN SOS
SOUND SOS
DC POWER
PA SOS
SU SCAN OUT
S.R 40
S.R 64
SC SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
SC20
SC2
SC23
SD SCAN OUT
P POWER SUPPLY
P2
VSUS
P23
15V
P25
+5V
STBY5V_M
+15V
PS_SOS
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
P10
F_STBY-14V
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
P5
+15V
P12
STB_PS
STB12V
15V
Vda
P11
VSUS
LINE FILTER
RELAY
AC CORD
P9
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
C11
C1 DATA DRIVER(LEFT)
C12
Vda-75V
C22
C2 DATA DR
S.R.

TH-37PV60E, TH-37PX60B
Main Block Diagram

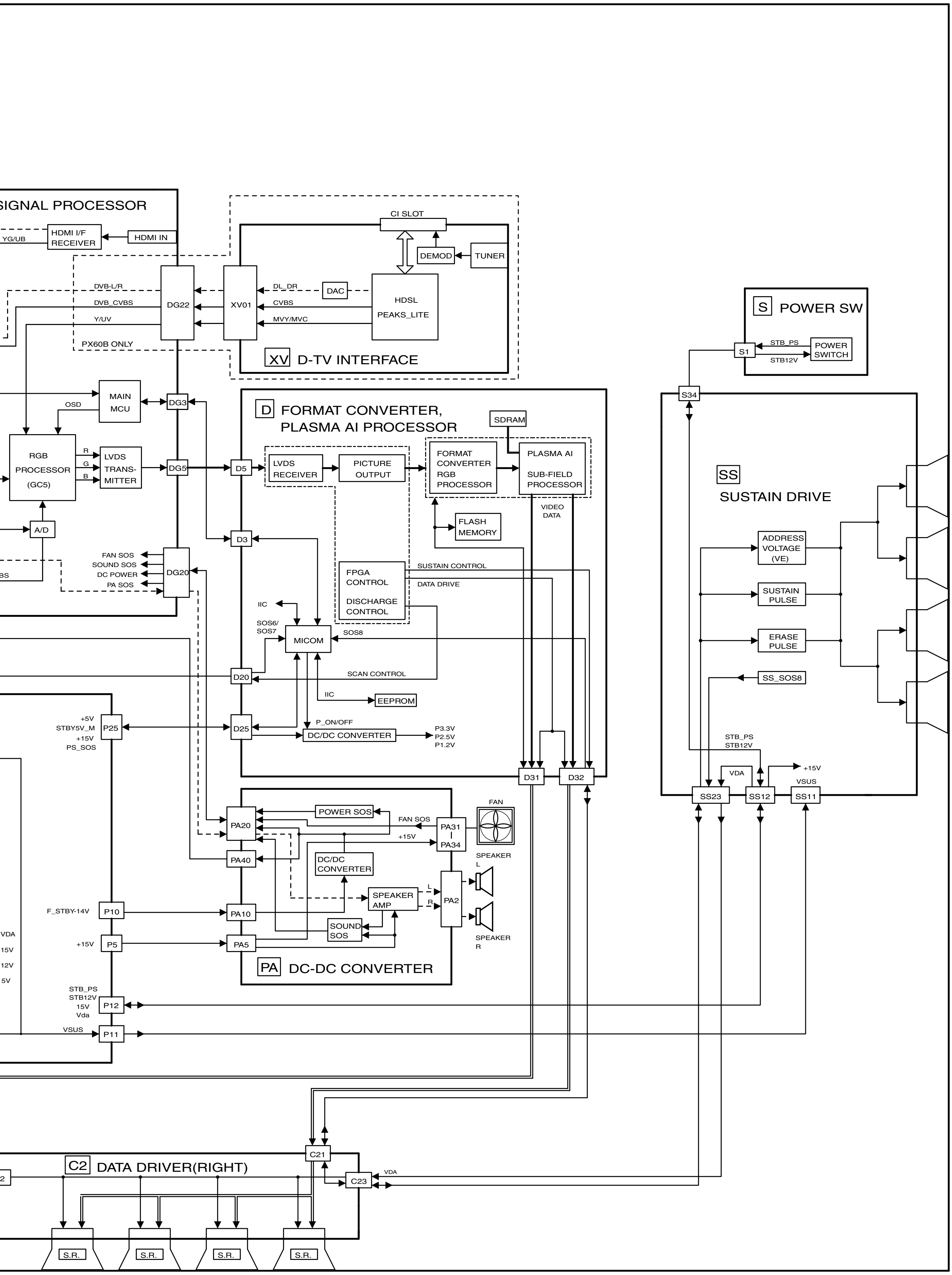

L PROCESSOR
HDMI I/F RECEIVER
HDMI IN
DVB-L/R
DVB_CVBS
Y/UV
DG22
PX60B ONLY
XV01
DL_DR
CVBS
MVY/MVC
DAC
HDSL
PEAKS_LITE
CI SLOT
DEMOD
TUNER
XV D-TV INTERFACE
S POWER SW
S1
STB_PS
STB12V
POWER SWITCH
MAIN MCU
OSD
DG3
D FORMAT CONVERTER, PLASMA AI PROCESSOR
SDRAM
R
G
B
LVDS TRANS-MITTER
DG5
D5
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
VIDEO DATA
FLASH MEMORY
D3
FAN SOS
SOUND SOS
DC POWER
PA SOS
DG20
FPGA CONTROL
DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/ SOS7
MICOM
SOS8
D20
SCAN CONTROL
IIC
EEPROM
+5V
STBY5V_M
+15V
PS_SOS
P25
D25
P_ON/OFF
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
D31
D32
S34
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
STB_PS
STB12V
VDA
+15V
VSUS
SS23
SS12
SS11
PA20
POWER SOS
FAN SOS
+15V
PA31
PA34
FAN
PA40
DC/DC CONVERTER
SPEAKER L
F_STBY-14V
P10
PA10
SPEAKER AMP
L
R
PA2
SOUND SOS
+15V
P5
PA5
SPEAKER R
PA DC-DC CONVERTER
STB_PS
STB12V
15V
Vda
P12
VSUS
P11
C21
C2 DATA DRIVER(RIGHT)
C23
VDA
S.R.
S.R.
S.R.
S.R.

TH-37PV60E, TH-37PX60B
Main Block Diagram

14.3. Main Block Diagram (42inch)

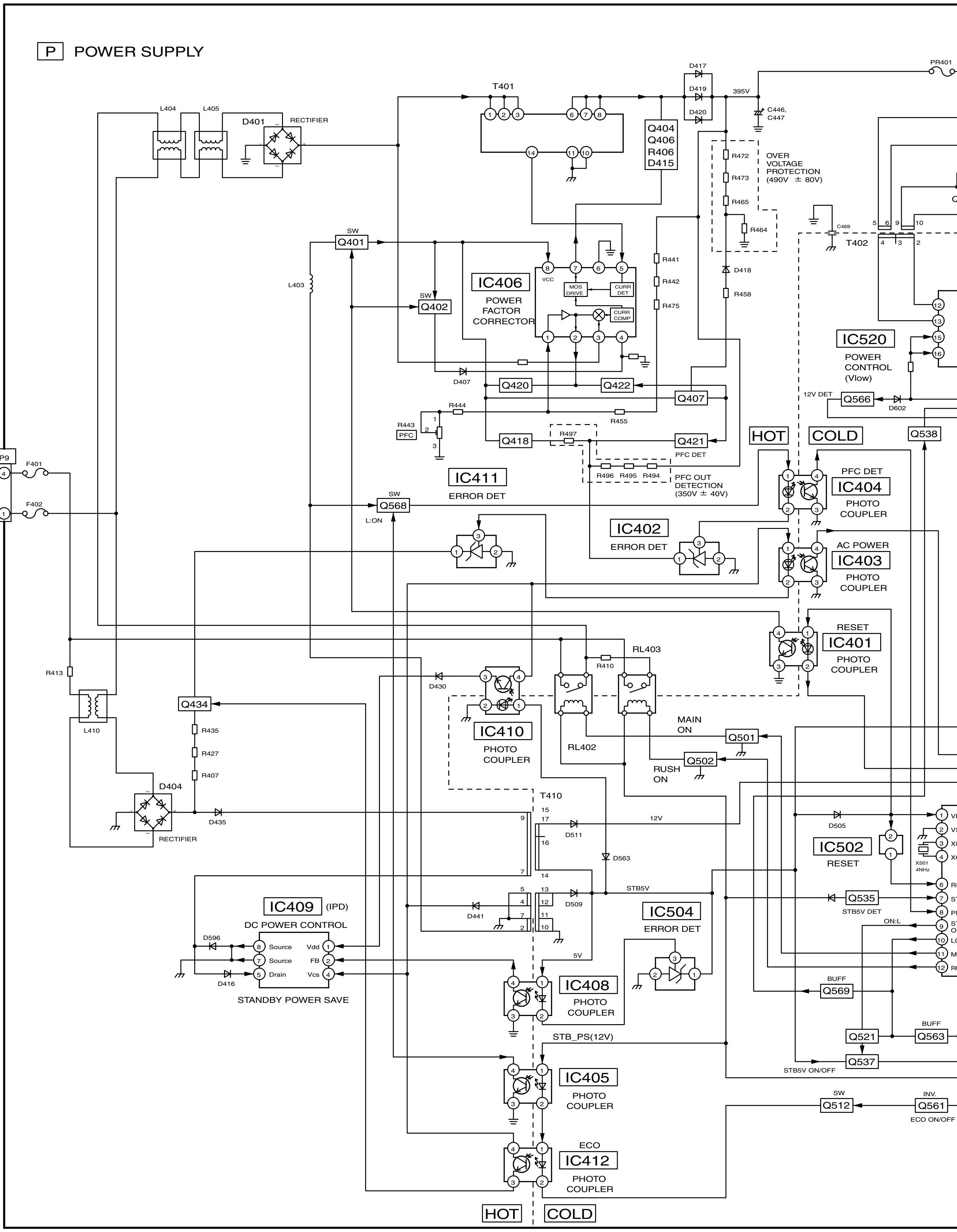

K REMOTE RECEIVER LED
POWER LED
REMOTE RECEIVER
AI SENSOR
DVB LED
PX60B ONLY
K1
G AV4 IN
AV4 IN
S-VIDEO IN
VIDEO IN
AUDIO IN
L/R
G1
HEADPHONE
HP_L/R
G3
GK KEY SCAN
GK3
KEY SCAN
G51
H51
DG DIGITAL SIGNAL PROCES
AUDIO DAC
YG/UB
HDMI I/F RECEIVER
SU SCAN OUT
S.R 64
TA TUNER
PV60E ONLY
AM
SIF
V
TUNER
TA5
H5
SIF/AM(PV60E)
TV-V
H2
DG2
DVB
Y/UV
PX60B
HDMI L/R
MSP
L/R
PC IN
R,G,B
TV_L/R
SC SCAN DRIVE
CONTROL PULSE
AUDIO OUT
AUDIO IN
AUDIO INPUT SELECT
OSD
H1
DG1
RGB PROCESSOR (GC5)
R
G
B
AV1 SCART
V,R,G,B
SUSTAIN PULSE
AV2 SCART
C,V
PC_R,G,B
A/D
VIDEO INPUT SELECT
AV3 SCART
MAIN_L/R
MAIN OUT
Y,PB/C,PR,CVBS
SCAN PULSE
COMP VIDEO
Y,PB,PR
H AV TERMINAL, AV SWITCH,MSP
DC POWER
H40
SD SCAN OUT
SC20
VOLTAGE GENERATOR
P POWER SUPPLY
+5V
STBY5V_M
+15V
PS_SOS
SOS6 SOS7
SC2
P2
VSUS
SC23
P23
15V
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
F_STBY-14V
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
+15V
LINE FILTER
STB_PS
STB12V
15V
Vda
AC CORD
P9
RELAY
LINE FILTER
RECTIFIER
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
VSUS
C11
C1 DATA DRIVER(LEFT)
C12
Vda-75V
C22
C2
S.R.

TH-42PV60E, TH-42PX60B
Main Block Diagram

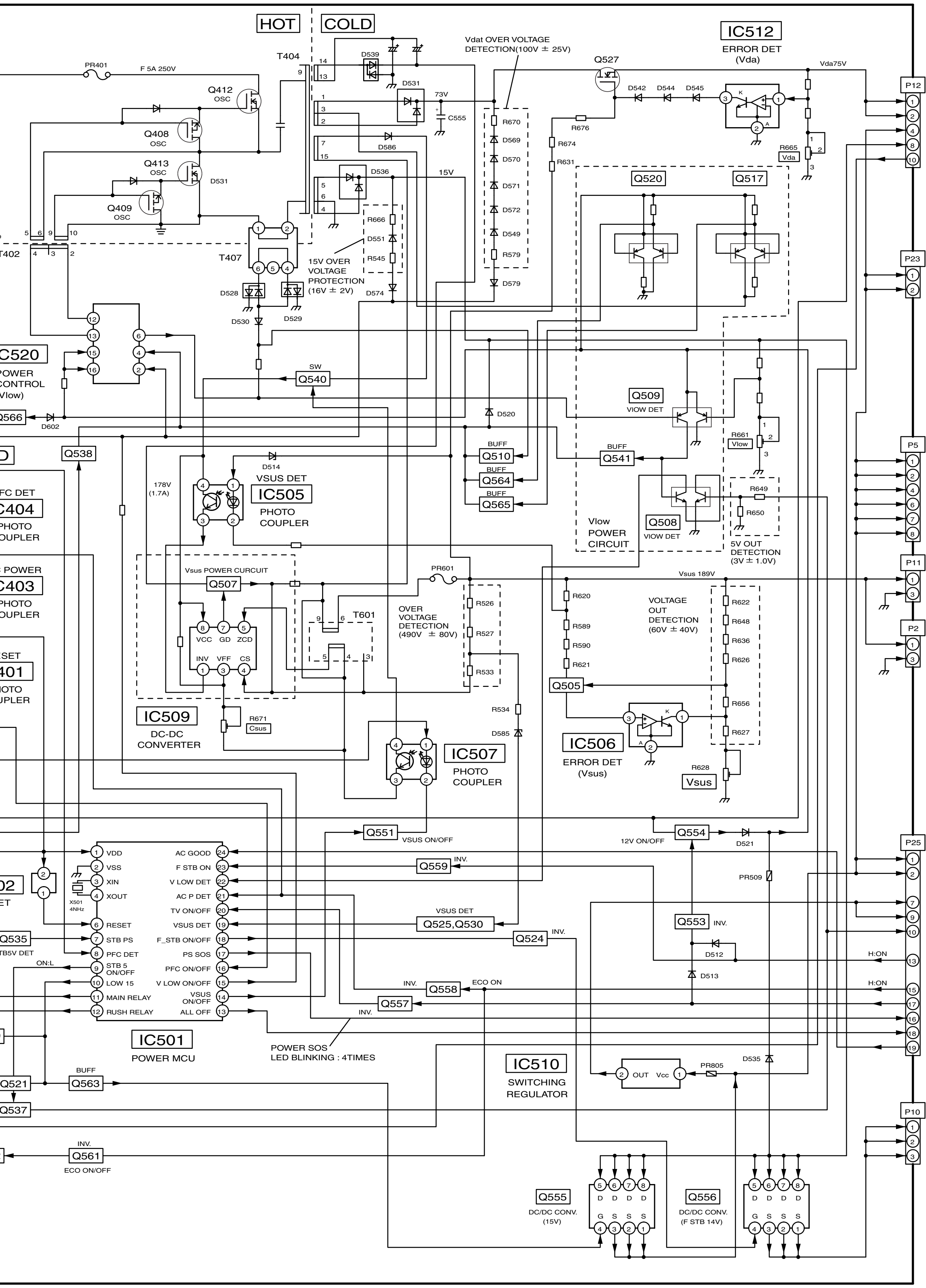

SIGNAL PROCESSOR
YG/UB
HDMI I/F RECEIVER
HDMI IN
DVB-L/R
DVB_CVBS
Y/UV
PX60B ONLY
DG22
XV01
DL_DR
CVBS
MVY/MVC
DAC
CI SLOT
DEMOD
TUNER
HDSL
PEAKS_LITE
XV D-TV INTERFACE
S POWER SW
S1
STB_PS
STB12V
POWER SWITCH
S34
MAIN MCU
OSD
DG3
RGB PROCESSOR (GC5)
R
G
B
LVDS TRANS-MITTER
DG5
A/D
FAN SOS
SOUND SOS
DC POWER
PA SOS
BS
DG20
D FORMAT CONVERTER, PLASMA AI PROCESSOR
SDRAM
D5
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
VIDEO DATA
FLASH MEMORY
D3
FPGA CONTROL
DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/ SOS7
MICOM
SOS8
D20
SCAN CONTROL
IIC
EEPROM
P_ON/OFF
D25
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
D31
D32
+5V
STBY5V_M
+15V
PS_SOS
P25
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
STB_PS
STB12V
VDA
+15V
VSUS
SS23
SS12
SS11
FAN
POWER SOS
FAN SOS
+15V
PA20
PA31 I PA34
PA40
DC/DC CONVERTER
SPEAKER L
SPEAKER AMP
L
R
PA2
SPEAKER R
F_STBY-14V
P10
PA10
SOUND SOS
VDA
15V
12V
5V
+15V
P5
PA5
PA DC-DC CONVERTER
STB_PS
STB12V
15V
Vda
P12
VSUS
P11
C21
C2 DATA DRIVER(RIGHT)
2
C23
VDA
S.R.
S.R.
S.R.
S.R.

TH-42PV60E, TH-42PX60B
Main Block Diagram

14.4. P-Board Block Diagram (37inch)

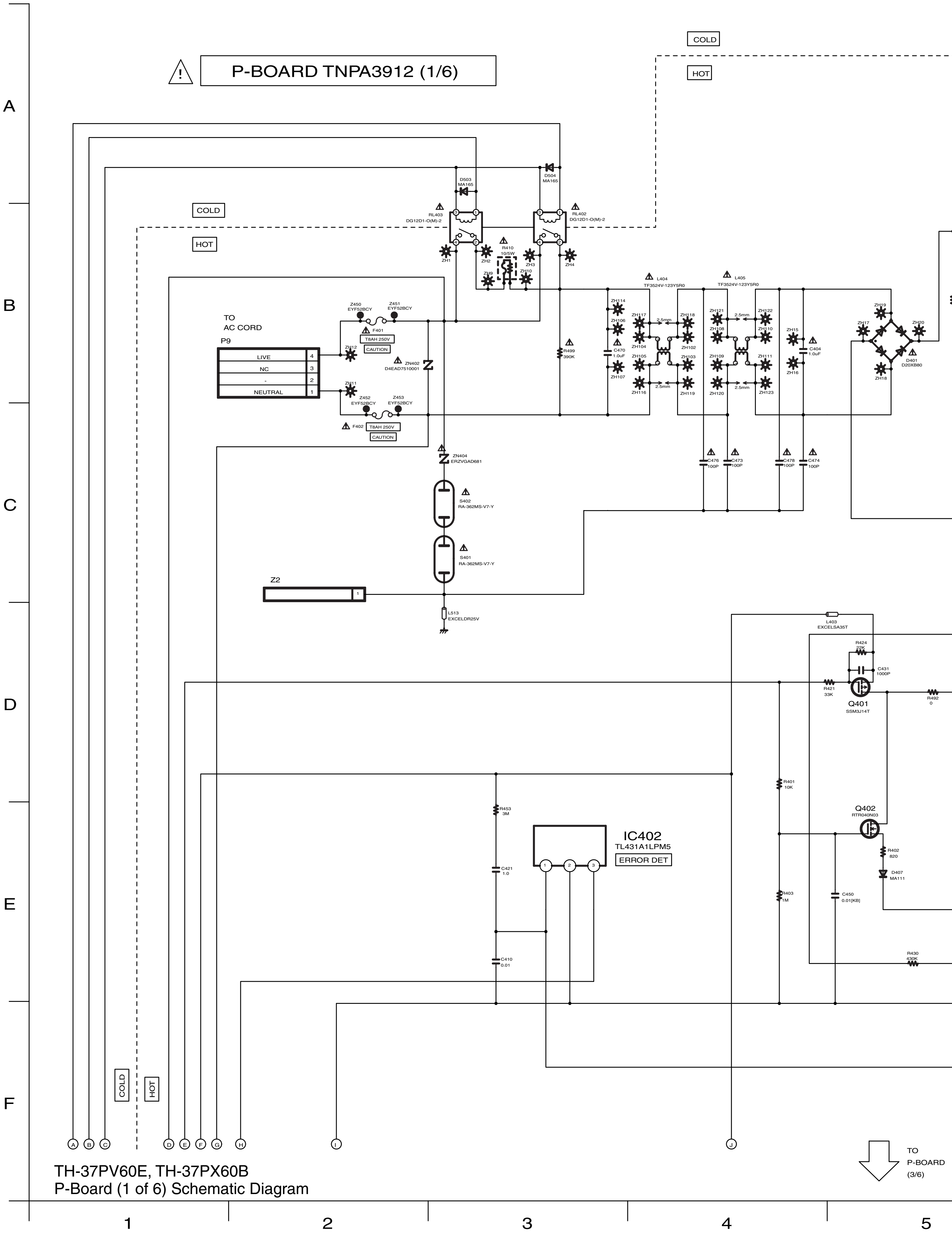

P
POWER SUPPLY
TO AC CORD
P9
LIVE
NEUTRAL
F401
F402
L404
L405
D401
RECTIFIER
T401
D417
D419
D420
395V
C446, C447
PR401
Q404
Q406
R406
D415
R472
R473
R465
R464
OVER VOLTAGE PROTECTION (490V ± 80V)
C469
T402
SW
Q401
L403
SW
Q402
IC406
POWER FACTOR CORRECTOR
VCC
MOS DRIVE
CURR DET
CURR COMP
R441
R442
R475
D418
R458
IC520
POWER CONTROL (Vlow)
12V DET
Q566
D602
Q538
D407
Q420
Q422
Q407
R444
R455
R443
PFC
Q418
R497
Q421
PFC DET
HOT
COLD
R496
R495
R494
PFC OUT DETECTION (350V ± 40V)
IC411
ERROR DET
SW
Q568
L:ON
PFC DET
IC404
PHOTO COUPLER
IC402
ERROR DET
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
R413
RL403
R410
D430
Q434
L410
R435
R427
R407
IC410
PHOTO COUPLER
RL402
MAIN ON
Q501
RUSH ON
Q502
D404
RECTIFIER
D435
T410
12V
D511
D563
D505
IC502
RESET
X501 4NHz
STB5V
D509
Q535
STB5V DET
D441
IC409 (IPD)
DC POWER CONTROL
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
IC504
ERROR DET
ON:L
5V
IC408
PHOTO COUPLER
BUFF
Q569
BUFF
Q521
Q563
STB_PS(12V)
Q537
STB5V ON/OFF
IC405
PHOTO COUPLER
SW
Q512
INV.
Q561
ECO ON/OFF
ECO
IC412
PHOTO COUPLER
HOT
COLD

TH-37PV60E, TH-37PX60B
P-Board Block Diagram

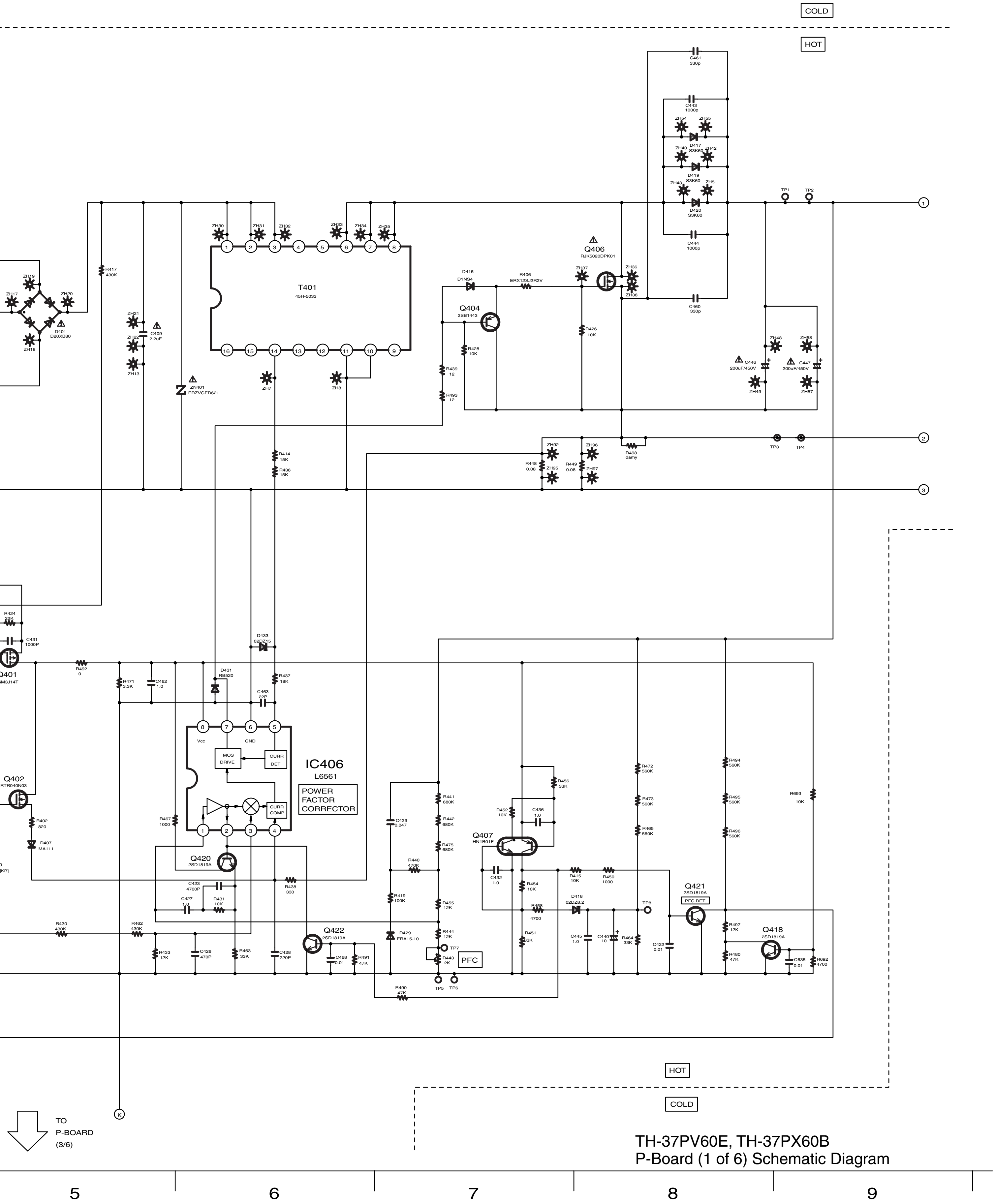

HOT
COLD
T404
PR401
F 5A 250V
Q412
OSC
Q408
OSC
Q413
OSC
Q409
OSC
D531
T402
T407
D528
D530
D529
D539
D531
73V
C555
D586
D536
15V
R666
D551
R545
D574
15V OVER VOLTAGE PROTECTION (16V ± 2V)
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
R676
R674
R631
D542
D544
D545
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
C520
POWER CONTROL (Vlow)
Q566
D602
SW
Q540
D520
Q509
VlOW DET
R661
Vlow
Q538
D514
VSUS DET
IC505
PHOTO COUPLER
178V (1.7A)
BUFF
Q510
BUFF
Q564
BUFF
Q565
BUFF
Q541
Q508
VlOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
PFC DET
C404
PHOTO COUPLER
POWER
C403
PHOTO COUPLER
RESET
401
PHOTO COUPLER
Vsus POWER CURCUIT
Q507
PR601
Vsus 189V
T601
VCC GD ZCD
INV VFF CS
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC509
DC-DC CONVERTER
R671
Csus
R534
D585
IC507
PHOTO COUPLER
IC506
ERROR DET (Vsus)
R628
Vsus
Q551
VSUS ON/OFF
12V ON/OFF
Q554
D521
PR509
Q559
INV.
VDD
VSS
XIN
XOUT
X501 4NHz
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
IC501
POWER MCU
Q535
TB5V DET
ON:L
VSUS DET
Q525,Q530
Q524
INV.
Q553
INV.
D512
D513
H:ON
H:ON
INV.
Q558
ECO ON
Q557
INV.
POWER SOS LED BLINKING : 4TIMES
IC510
SWITCHING REGULATOR
OUT Vcc
PR805
D535
Q521
BUFF
Q563
Q537
INV.
Q561
ECO ON/OFF
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
D D D D
G S S S
TO SS12
P12
Vda
Vda
+15V
STB12V
STB_PS
TO SC23
P23
+15V
+15V
TO PA5
P5
+15Vc
+15Vc
+15Vc
+15Vs(S)
+15Vs(W)
+15Vs(W)
TO SS11
P11
Vsus
GND
TO SC2
P2
Vsus
GND
TO D25
P25
+15Vc
+15Vc
+5Vc
+5Vc
STBY5V
F_STBY_ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
TO PA10
P10
F STB 14V
F STB 14V
F STB 14V

TH-37PV60E, TH-37PX60B
P-Board Block Diagram

14.5. P-Board (1 of 6) Schematic Diagram (37inch)

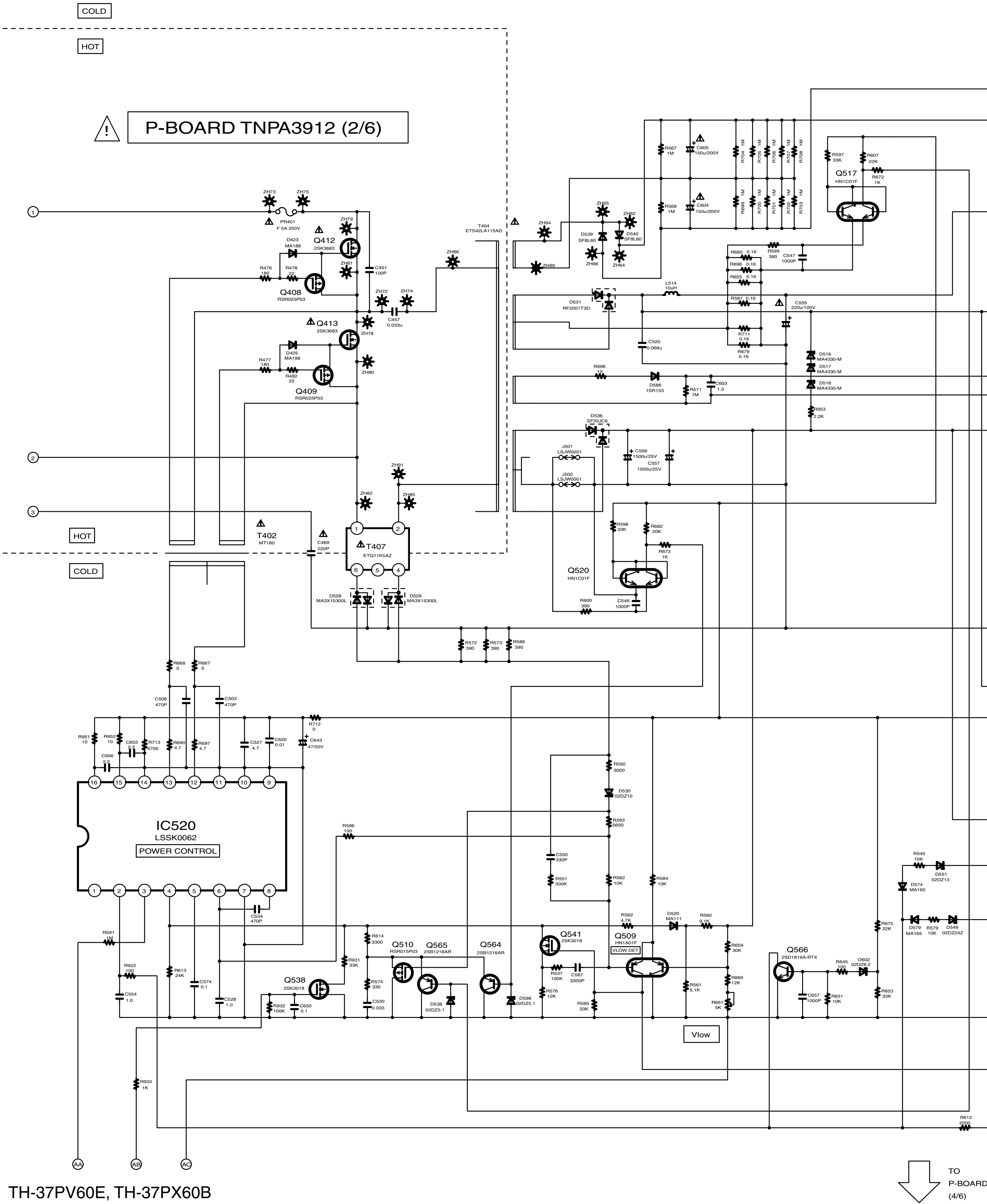

P-BOARD TNPA3912 (1/6)
COLD
HOT
A
B
C
D
E
F
1
2
3
4
5
D503
MA165
D504
MA165
RL403
DG12D1-O(M)-2
RL402
DG12D1-O(M)-2
ZH1
ZH2
ZH3
ZH4
ZH9
ZH10
R410
10/5W
TO
AC CORD
P9
LIVE 4
NC 3
- 2
NEUTRAL 1
Z450
EYF52BCY
Z451
EYF52BCY
F401
T8AH 250V
CAUTION
ZH12
ZN402
D4EAD7510001
ZH11
Z452
EYF52BCY
Z453
EYF52BCY
F402
T8AH 250V
CAUTION
R499
390K
C470
1.0uF
ZH114
ZH106
ZH107
L404
TF3524V-123Y5R0
L405
TF3524V-123Y5R0
ZH117
ZH104
ZH105
ZH116
ZH118
ZH102
ZH103
ZH119
2.5mm
ZH121
ZH108
ZH109
ZH120
ZH122
ZH110
ZH111
ZH123
ZH15
ZH16
C404
1.0uF
ZH19
ZH17
ZH20
ZH18
D401
D20XB80
C476
100P
C473
100P
C478
100P
C474
100P
ZN404
ERZVGAD681
S402
RA-362MS-V7-Y
S401
RA-362MS-V7-Y
Z2
1
L513
EXCELDR25V
L403
EXCELSA35T
R424
22K
C431
1000P
R421
33K
Q401
SSM3J14T
R492
0
R401
10K
Q402
RTR040N03
R402
820
D407
MA111
R403
1M
C450
0.01[KB]
R430
430K
R453
3M
C421
1.0
C410
0.01
IC402
TL431A1LPM5
ERROR DET
1
2
3
A
B
C
D
E
F
G
H
I
J
TO
P-BOARD
(3/6)

TH-37PV60E, TH-37PX60B
P-Board (1 of 6) Schematic Diagram


COLD
HOT
C461 330p
C443 1000p
ZH54
ZH55
D417 S3K60
ZH40
ZH42
D419 S3K60
ZH43
ZH51
D420 S3K60
C444 1000p
TP1
TP2
①
ZH30
ZH31
ZH32
ZH33
ZH34
ZH35
T401 45H-5033
R417 430K
ZH19
ZH17
ZH20
ZH18
D401 D20XB80
ZH21
ZH22
ZH13
C409 2.2uF
ZN401 ERZVGED621
ZH7
ZH8
D415 D1NS4
R406 ERX12SJ2R2V
Q406 RJK5020DPK01
ZH37
ZH36
ZH38
C460 330p
Q404 2SB1443
R428 10K
R426 10K
R439 12
R493 12
ZH48
ZH58
C446 200uF/450V
C447 200uF/450V
ZH49
ZH57
ZH92
ZH96
R448 0.08
ZH95
R449 0.08
ZH97
R498 damy
TP3
TP4
②
③
R414 15K
R436 15K
R424 22K
C431 1000P
Q401 SM3J14T
R492 0
R471 3.3K
C462 1.0
D433 02DZ15
D431 RB520
R437 18K
C463 22P
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
IC406 L6561
POWER FACTOR CORRECTOR
Q402 RTR040N03
R402 820
D407 MA111
R467 1000
Q420 2SD1819A
C423 4700P
C427 1.0
R431 10K
R438 330
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
C428 220P
Q422 2SD1819A
C468 0.01
R491 47K
C429 0.047
R441 680K
R442 680K
R475 680K
R440 470K
R419 100K
R455 12K
D429 ERA15-10
R444 12K
TP7
R443 2K
PFC
R490 47K
TP5
TP6
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R458 4700
R451 33K
R415 10K
R450 1000
D418 02DZ8.2
C445 1.0
C440 10
R464 33K
TP8
C422 0.01
R472 560K
R473 560K
R465 560K
R494 560K
R495 560K
R496 560K
Q421 2SD1819A
PFC DET
R497 12K
R480 47K
Q418 2SD1819A
C635 0.01
R692 4700
R693 10K
K
HOT
COLD
TO P-BOARD (3/6)
5
6
7
8
9

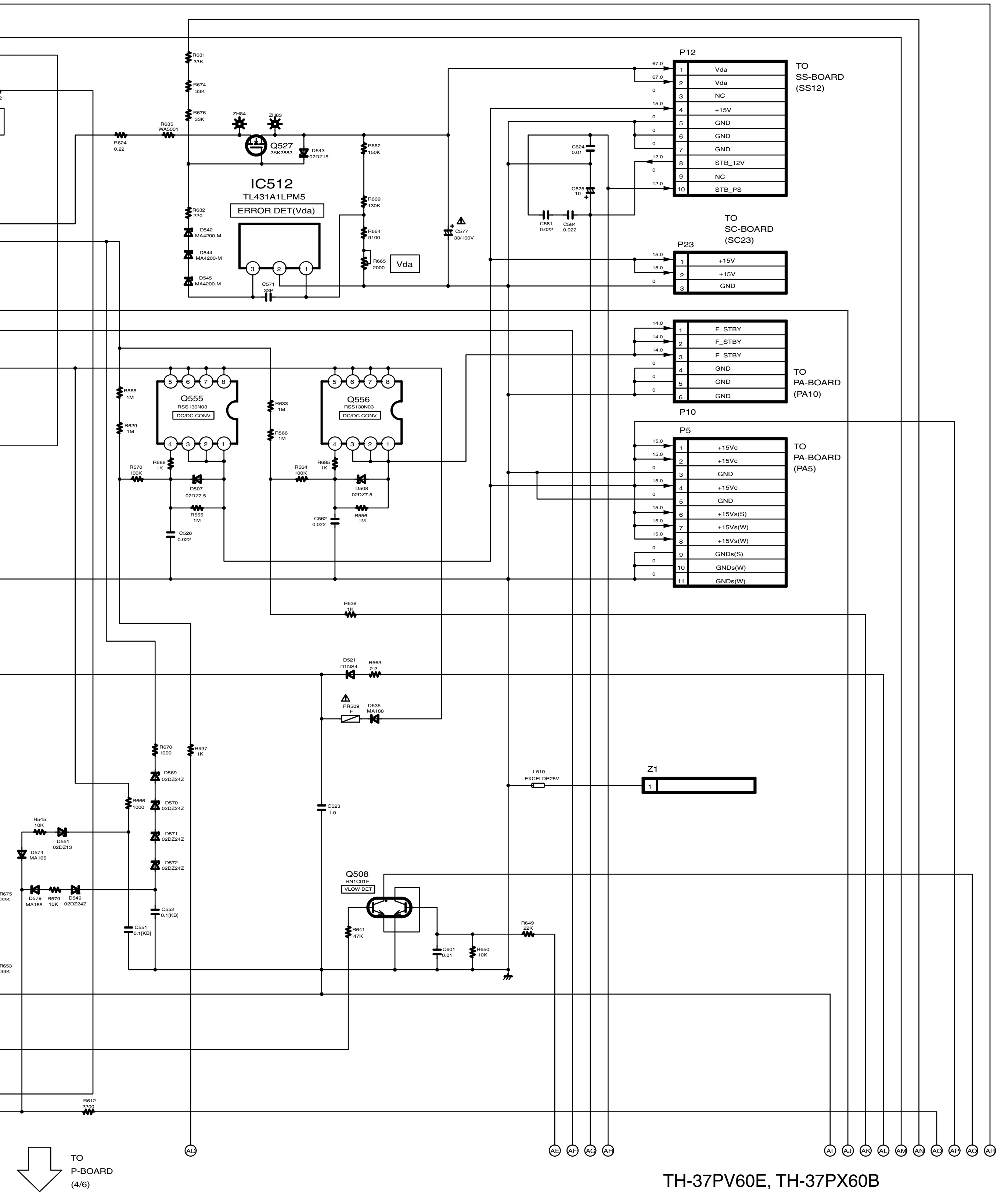
TH-37PV60E, TH-37PX60B
P-Board (1 of 6) Schematic Diagram

14.6. P-Board (2 of 6) Schematic Diagram (37inch)


COLD
HOT
⚠ P-BOARD TNPA3912 (2/6)
1
2
3
HOT
COLD
ZH73
ZH75
PR401
F 5A 250V
ZH79
Q412
2SK3683
D423
MA188
R476
180
R478
22
ZH81
C451
100P
Q408
RSR025P03
ZH72
ZH74
C457
0.033u
Q413
2SK3683
ZH78
D425
MA188
R477
180
R482
22
ZH80
Q409
RSR025P03
ZH86
T404
ETS42LA115AD
ZH91
ZH82
ZH85
T402
MT180
C469
220P
T407
ETQ11K5AZ
D528
MA3X15300L
D529
MA3X15300L
ZH94
ZH99
ZH65
ZH62
D539
SF8L60
D540
SF8L60
ZH66
ZH64
R567
1M
C605
150u/200V
R568
1M
C604
150u/200V
R704 1M
R705 1M
R706 1M
R707 1M
R708 1M
R699 1M
R700 1M
R701 1M
R702 1M
R703 1M
R597
33K
R607
22K
R672
1K
Q517
HN1C01F
R680 0.16
R599
390
C547
1000P
R698 0.16
R655 0.16
R587 0.16
L514
10uH
D531
RF2001T3D
C555
220u/100V
R711
0.16
R679
0.16
C520
0.068u
D516
MA4330-M
D517
MA4330-M
D518
MA4330-M
R696
10
D586
1SR153
R571
1M
C603
1.0
R953
2.2K
D536
SF20JC6
J501
LSJW0001
J502
LSJW0001
C556
1500u/25V
C557
1500u/25V
R598
33K
R682
20K
R673
1K
Q520
HN1C01F
R600
390
C546
1000P
R572
390
R573
390
R588
390
R668
0
R667
0
C508
470P
C503
470P
R951
10
R952
10
C655
2.2
R713
4700
R690
4.7
R697
4.7
C527
4.7
C620
0.01
R712
0
C643
47/50V
C656
2.2
IC520
LSSK0062
POWER CONTROL
R596
100
R592
3000
D530
02DZ10
R593
5600
C550
330P
R551
330K
R582
10K
R584
10K
C534
470P
R591
1M
R922
100
R613
24K
C574
0.1
C554
1.0
C528
1.0
Q538
2SK3018
R932
100K
C650
0.1
R931
33K
R614
3300
R574
330
C530
0.033
Q510
RSR015P03
Q565
2SB1218AR
D538
02DZ5.1
Q564
2SB1218AR
D598
02DZ5.1
Q541
2SK3018
R537
100K
C587
3300P
R576
12K
R585
33K
R562
4.7K
D520
MA111
R560
9.1K
Q509
HN1A01F
VLOW DET
R561
5.1K
R659
30K
R660
12K
R661
5K
Vlow
R545
10K
D551
02DZ13
D574
MA165
R675
22K
D579
MA165
R579
10K
D549
02DZ24Z
Q566
2SD1819A-RTX
R645
100
D602
02DZ8.2
C657
1000P
R651
10K
R653
33K
R933
1K
R612
2200
AA
AB
AC
TO
P-BOARD
(4/6)

TH-37PV60E, TH-37PX60B
P-Board (2 of 6) Schematic Diagram

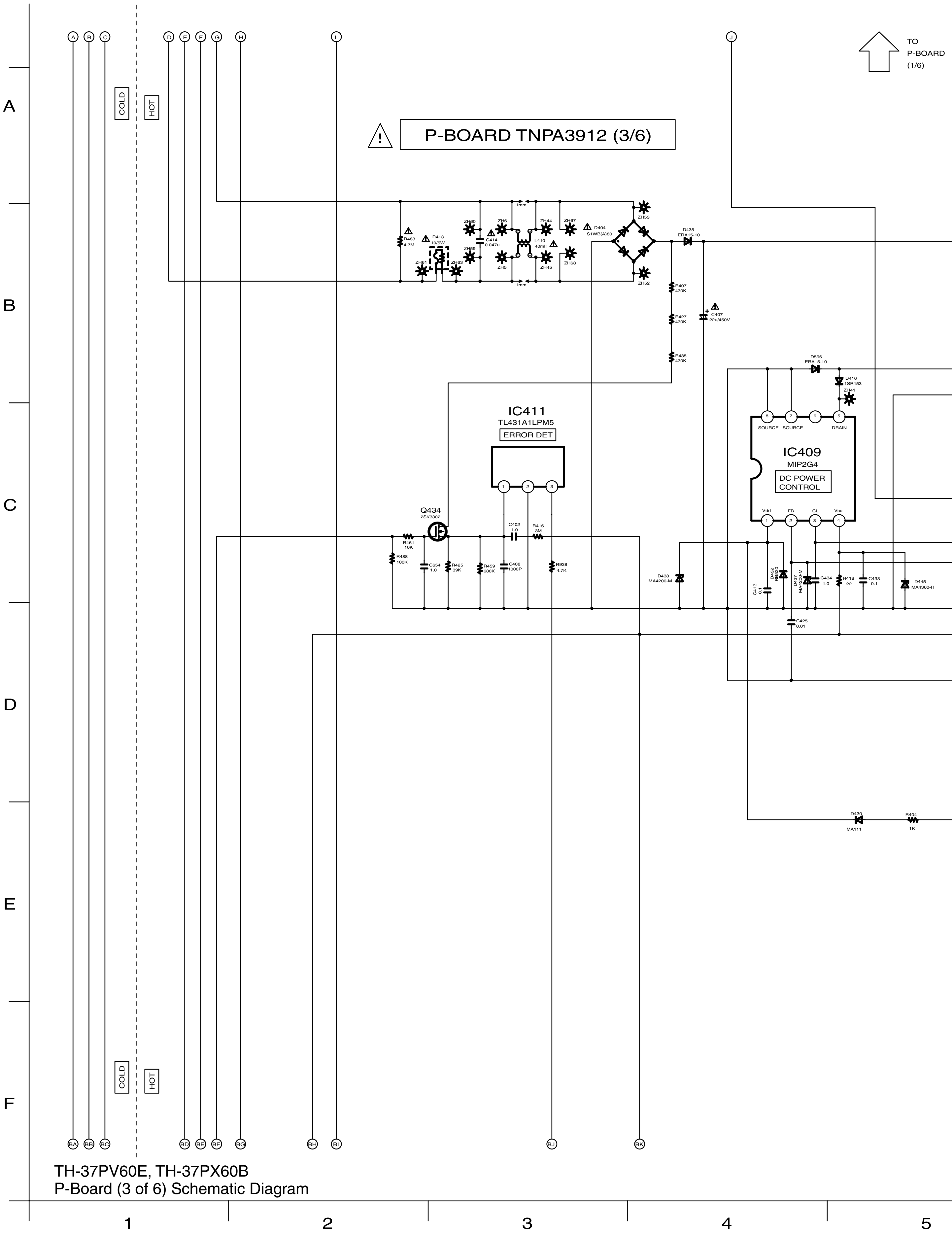
10 11 12 13 14


P12
TO
SS-BOARD
(SS12)
1 Vda 67.0
2 Vda 67.0
3 NC 0
4 +15V 15.0
5 GND 0
6 GND 0
7 GND 0
8 STB_12V 12.0
9 NC 0
10 STB_PS 12.0
TO
SC-BOARD
(SC23)
P23
1 +15V 15.0
2 +15V 15.0
3 GND 0
1 F_STBY 14.0
2 F_STBY 14.0
3 F_STBY 14.0
4 GND 0
5 GND 0
6 GND 0
TO
PA-BOARD
(PA10)
P10
P5
TO
PA-BOARD
(PA5)
1 +15Vc 15.0
2 +15Vc 15.0
3 GND 0
4 +15Vc 15.0
5 GND 0
6 +15Vs(S) 15.0
7 +15Vs(W) 15.0
8 +15Vs(W) 15.0
9 GNDs(S) 0
10 GNDs(W) 0
11 GNDs(W) 0
R631 33K
R674 33K
R676 33K
R635 WA5001
R624 0.22
ZH84
ZH83
Q527 2SK2882
D543 02DZ15
R662 150K
IC512
TL431A1LPM5
ERROR DET(Vda)
R669 130K
R664 9100
R665 2000
Vda
R632 220
D542 MA4200-M
D544 MA4200-M
D545 MA4200-M
C571 33P
C577 33/100V
C624 0.01
C625 10
C581 0.022
C584 0.022
Q555
RSS130N03
DC/DC CONV.
Q556
RSS130N03
DC/DC CONV.
R565 1M
R629 1M
R633 1M
R566 1M
R688 1K
R685 1K
R570 100K
R564 100K
D507 02DZ7.5
D508 02DZ7.5
R555 1M
R556 1M
C526 0.022
C562 0.022
R638 1K
D521 D1NS4
R563 2.2
PR509 F
D535 MA188
R670 1000
R937 1K
D569 02DZ24Z
D570 02DZ24Z
D571 02DZ24Z
D572 02DZ24Z
R666 1000
C552 0.1[KB]
C551 0.1[KB]
C523 1.0
L510 EXCELDR25V
Z1
R545 10K
D551 02DZ13
D574 MA165
R675 22K
D579 MA165
R579 10K
D549 02DZ24Z
R653 33K
Q508
HN1C01F
VLOW DET
R641 47K
C601 0.01
R650 10K
R649 22K
R612 2200
TO
P-BOARD
(4/6)
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR

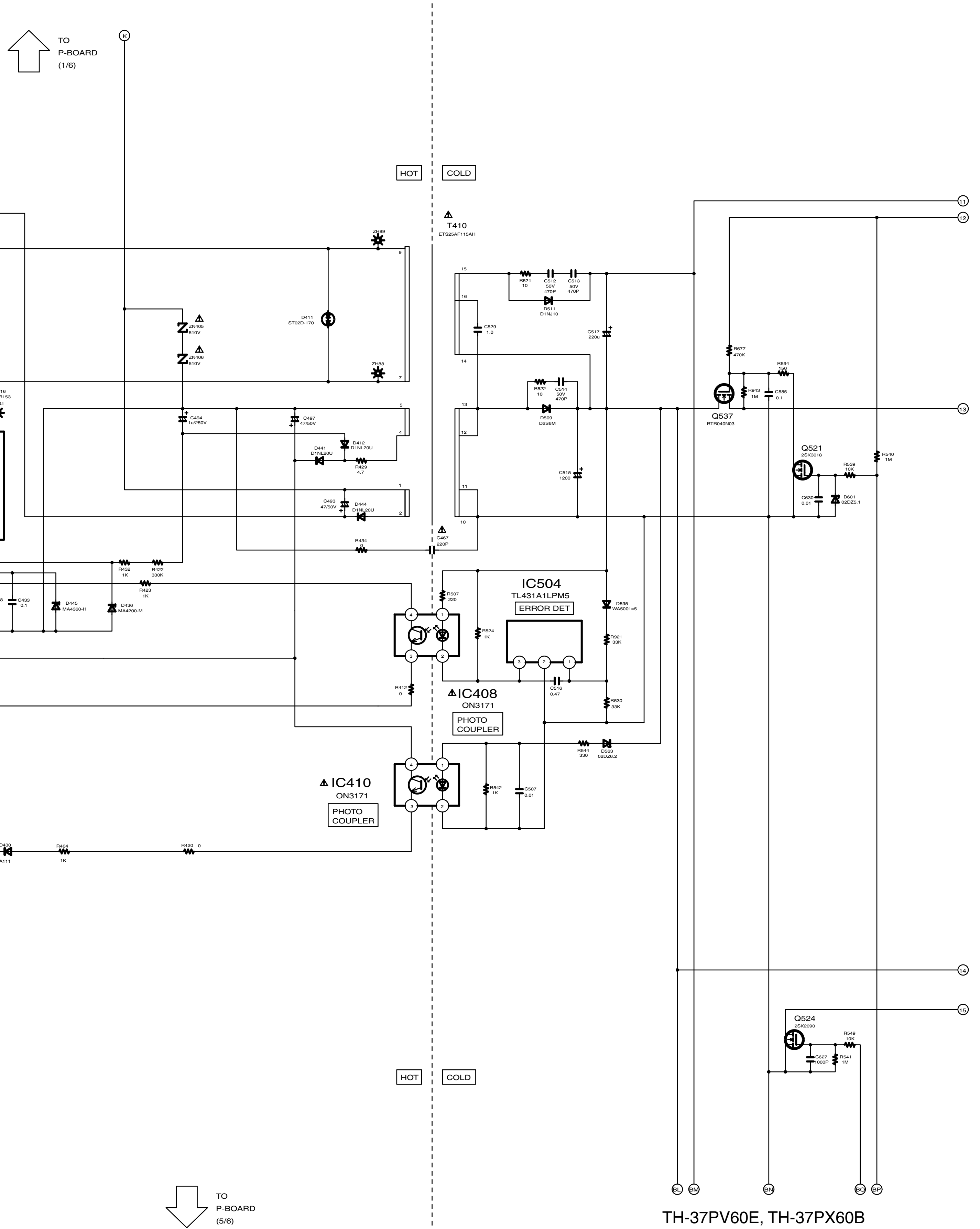
TH-37PV60E, TH-37PX60B
P-Board (2 of 6) Schematic Diagram

14 15 16 17 18

14.7. P-Board (3 of 6) Schematic Diagram (37inch)


A
B
C
D
E
F
1
2
3
4
5
TO
P-BOARD
(1/6)
COLD
HOT
P-BOARD TNPA3912 (3/6)
R483
4.7M
R413
10/5W
ZH61
ZH63
ZH60
ZH59
C414
0.047u
ZH6
ZH5
1mm
L410
40mH
ZH44
ZH45
ZH67
ZH68
D404
S1WB(A)80
ZH53
ZH52
D435
ERA15-10
R407
430K
R427
430K
R435
430K
C407
22u/450V
IC411
TL431A1LPM5
ERROR DET
Q434
2SK3302
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C402
1.0
C408
1000P
R416
3M
R938
4.7K
D438
MA4200-M
D596
ERA15-10
D416
1SR153
ZH41
SOURCE
SOURCE
DRAIN
IC409
MIP2G4
DC POWER
CONTROL
Vdd
FB
CL
Vcc
C413
0.1
D432
RB520
D437
MA4200-M
C434
1.0
R418
22
C433
0.1
D445
MA4360-H
C425
0.01
D430
MA111
R404
1K
A B C D E F G H I J
BA BB BC BD BE BF BG BH BI BJ BK

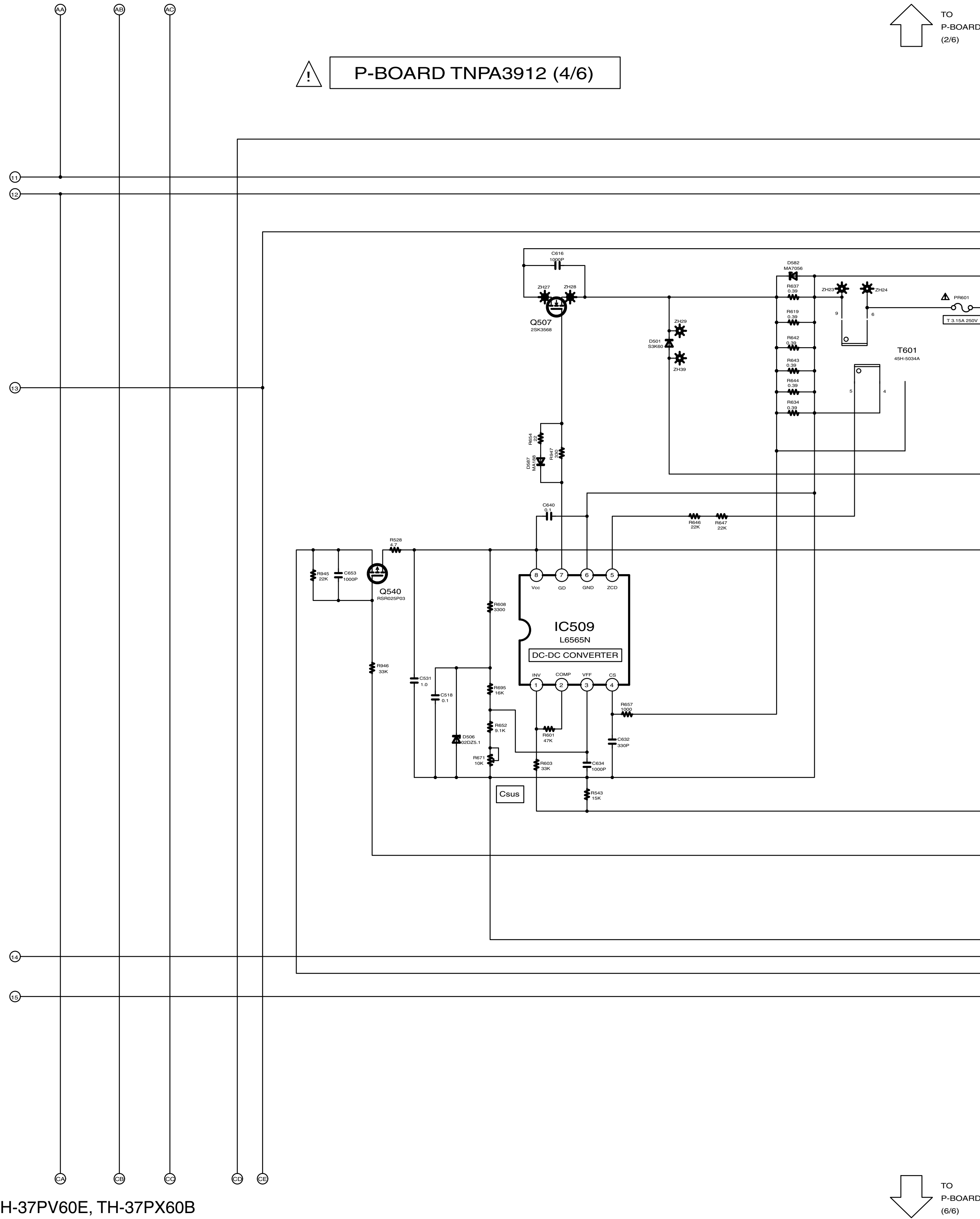
TH-37PV60E, TH-37PX60B
P-Board (3 of 6) Schematic Diagram

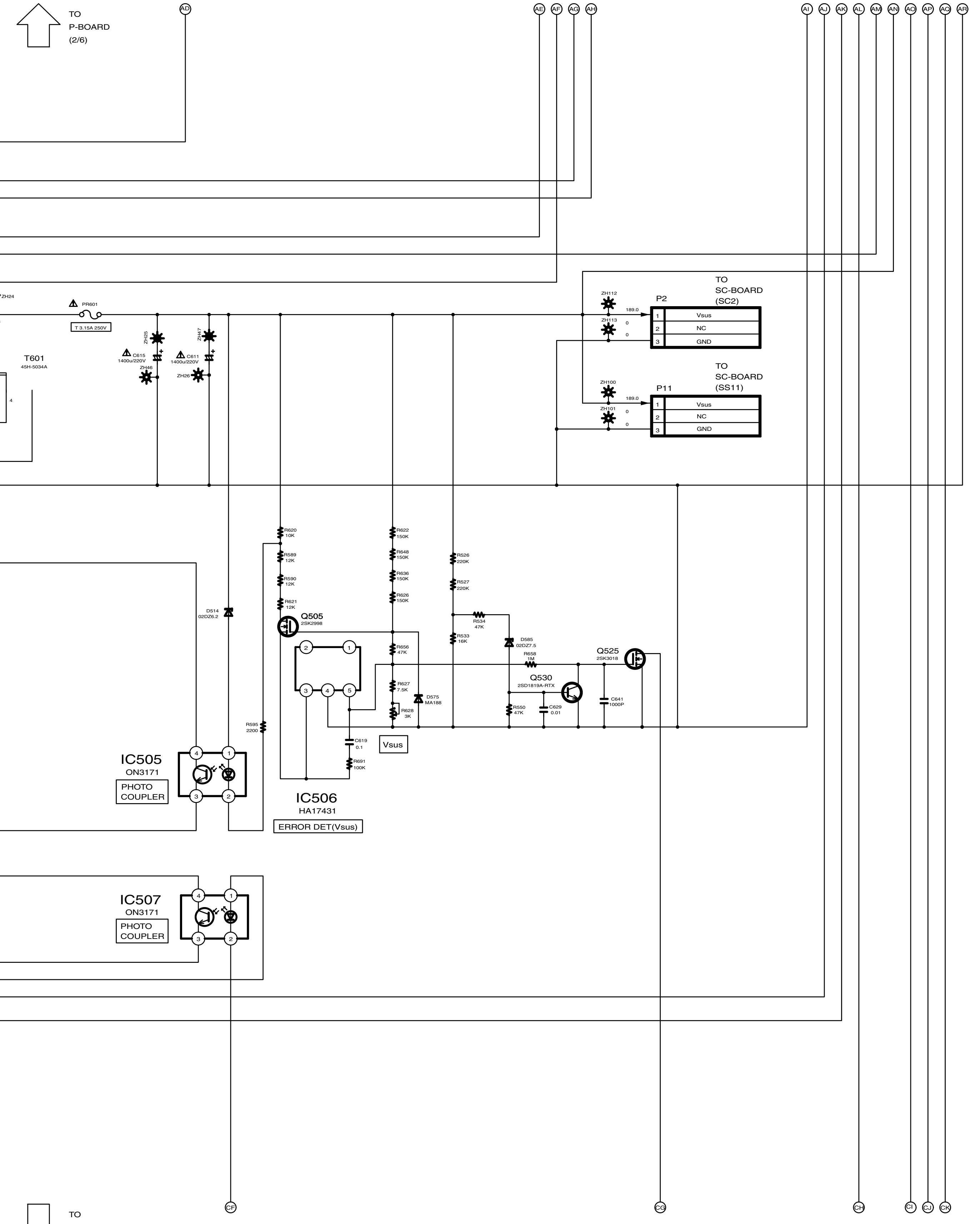

TO
P-BOARD
(1/6)
K
HOT
COLD
T410
ETS25AF115AH
ZH89
ZH88
D411
ST02D-170
ZN405
510V
ZN406
510V
R153
C494
1u/250V
C497
47/50V
D412
D1NL20U
D441
D1NL20U
R429
4.7
C493
47/50V
D444
D1NL20U
R434
0
C467
220P
R432
1K
R422
330K
R423
1K
C433
0.1
D445
MA4360-H
D436
MA4200-M
R412
0
IC410
ON3171
PHOTO
COUPLER
D430
A111
R404
1K
R420 0
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
C529
1.0
C517
220u
R522
10
C514
50V
470P
D509
D2S6M
C515
1200
IC504
TL431A1LPM5
ERROR DET
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
IC408
ON3171
PHOTO
COUPLER
R544
330
D563
02DZ6.2
R542
1K
C507
0.01
R677
470K
R594
150
R943
1M
C585
0.1
Q537
RTR040N03
Q521
2SK3018
R539
10K
R540
1M
C630
0.01
D601
02DZ5.1
Q524
2SK2090
R549
10K
C627
1000P
R541
1M
11
12
13
14
15
BL
BM
BN
BO
BP
TO
P-BOARD
(5/6)

TH-37PV60E, TH-37PX60B
P-Board (3 of 6) Schematic Diagram

5 6 7 8 9

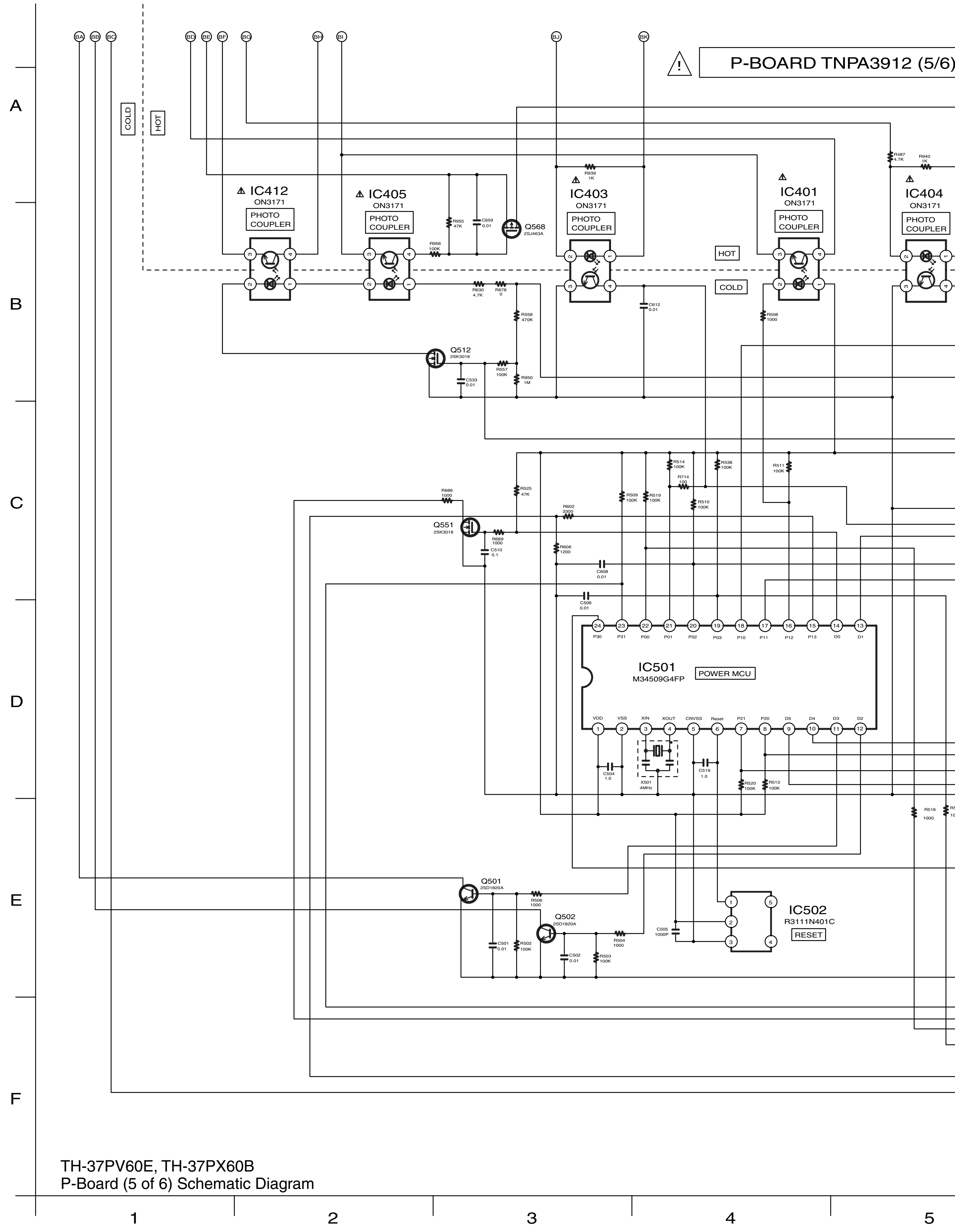
14.8. P-Board (4 of 6) Schematic Diagram (37inch)


AA
AB
AC
TO
P-BOARD
(2/6)
P-BOARD TNPA3912 (4/6)
11
12
13
14
15
C616
1000P
ZH27
ZH28
Q507
2SK3568
D582
MA7056
R637
0.39
R619
0.39
R642
0.39
R643
0.39
R644
0.39
R634
0.39
ZH23
ZH24
PR601
T 3.15A 250V
9
6
5
4
T601
45H-5034A
ZH29
D501
S3K60
ZH39
R654
22
D587
MA188
R947
330
C640
0.1
R646
22K
R647
22K
R528
4.7
R945
22K
C653
1000P
Q540
RSR025P03
R946
33K
C531
1.0
C518
0.1
D506
02DZ5.1
R608
3300
R695
16K
R652
9.1K
R671
10K
Csus
8
7
6
5
Vcc
GD
GND
ZCD
IC509
L6565N
DC-DC CONVERTER
INV
COMP
VFF
CS
1
2
3
4
R601
47K
R603
33K
C634
1000P
R543
15K
R657
1000
C632
330P
CA
CB
CC
CD
CE
TO
P-BOARD
(6/6)

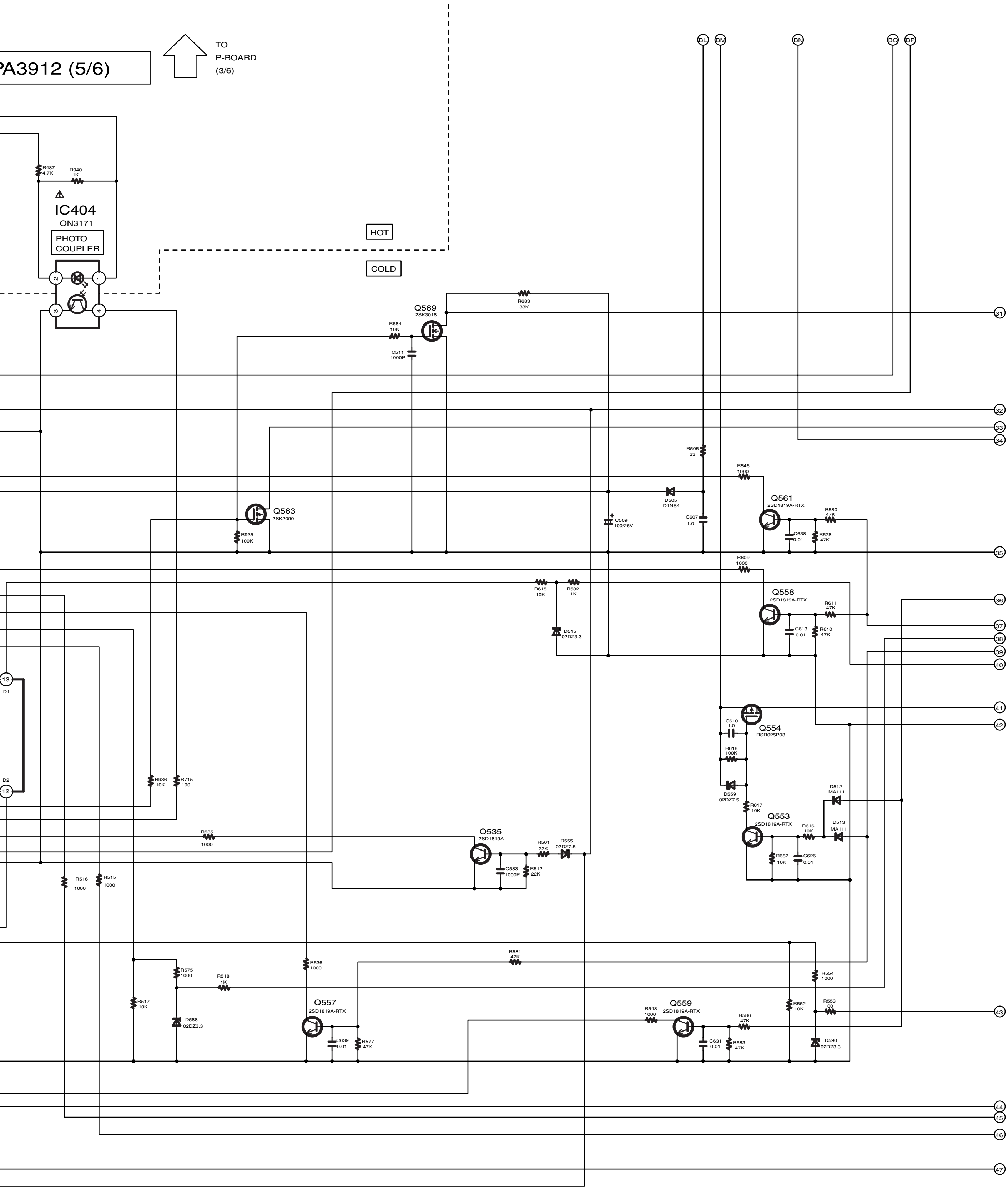

TO
P-BOARD
(2/6)
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
ZH24
PR601
T 3.15A 250V
T601
45H-5034A
4
ZH25
C615
1400u/220V
ZH46
ZH47
C611
1400u/220V
ZH26
ZH112
ZH113
189.0
0
0
P2
TO
SC-BOARD
(SC2)
1 Vsus
2 NC
3 GND
ZH100
ZH101
189.0
0
0
P11
TO
SC-BOARD
(SS11)
1 Vsus
2 NC
3 GND
R620
10K
R589
12K
R590
12K
R621
12K
Q505
2SK2998
R622
150K
R648
150K
R636
150K
R626
150K
R656
47K
R627
7.5K
R628
3K
D575
MA188
R526
220K
R527
220K
R534
47K
R533
16K
D585
02DZ7.5
R658
1M
Q530
2SD1819A-RTX
R550
47K
C629
0.01
Q525
2SK3018
C641
1000P
D514
02DZ6.2
R595
2200
C619
0.1
R691
100K
Vsus
IC505
ON3171
PHOTO
COUPLER
IC506
HA17431
ERROR DET(Vsus)
IC507
ON3171
PHOTO
COUPLER
CF
CG
CH
CI
CJ
CK
TO
P-BOARD
(6/6)

TH-37PV60E, TH-37PX60B
P-Board (4 of 6) Schematic Diagram

14.9. P-Board (5 of 6) Schematic Diagram (37inch)

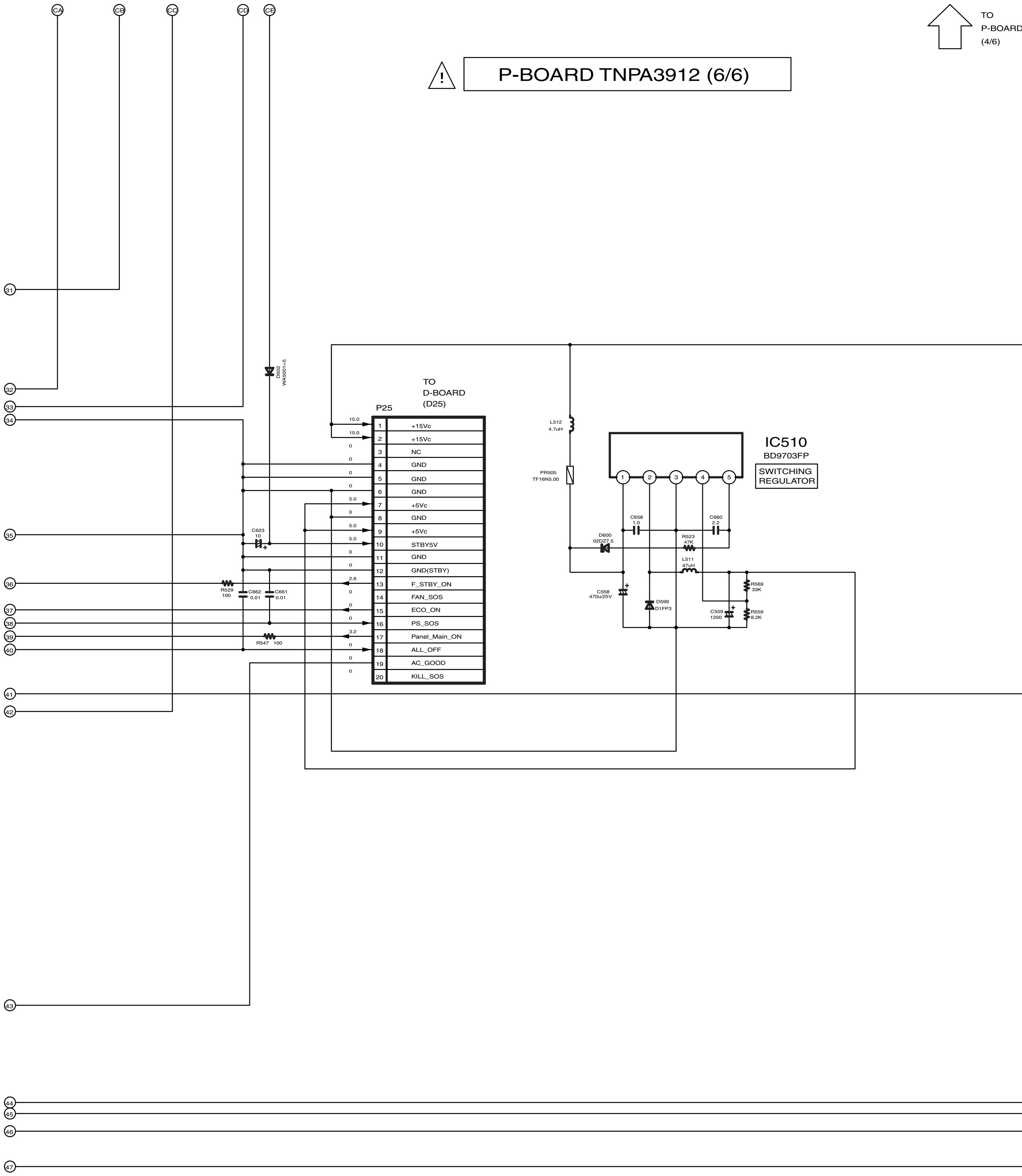

BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
P-BOARD TNPA3912 (5/6)
COLD
HOT
IC412
ON3171
PHOTO COUPLER
IC405
ON3171
PHOTO COUPLER
R955
47K
C659
0.01
Q568
2SJ463A
R956
100K
R630
4.7K
R678
0
R558
470K
Q512
2SK3018
R557
100K
C533
0.01
R950
1M
R939
1K
IC403
ON3171
PHOTO COUPLER
C612
0.01
HOT
COLD
IC401
ON3171
PHOTO COUPLER
R508
1000
R487
4.7K
R940
1K
IC404
ON3171
PHOTO COUPLER
R686
1000
Q551
2SK3018
R689
1000
C510
0.1
R525
47K
R602
3300
R606
1200
C608
0.01
C506
0.01
R509
100K
R519
100K
R514
100K
R714
100
R510
100K
R538
100K
R511
100K
IC501
M34509G4FP
POWER MCU
24 P30
23 P31
22 P00
21 P01
20 P02
19 P03
18 P10
17 P11
16 P12
15 P13
14 D0
13 D1
1 VDD
2 VSS
3 XIN
4 XOUT
5 CNVSS
6 Reset
7 P21
8 P20
9 D5
10 D4
11 D3
12 D2
C504
1.0
X501
4MHz
C519
1.0
R520
100K
R513
100K
R516
1000
Q501
2SD1820A
R506
1000
C501
0.01
R502
100K
Q502
2SD1820A
C502
0.01
R503
100K
R504
1000
C505
1000P
IC502
R3111N401C
RESET
A
B
C
D
E
F
1
2
3
4
5

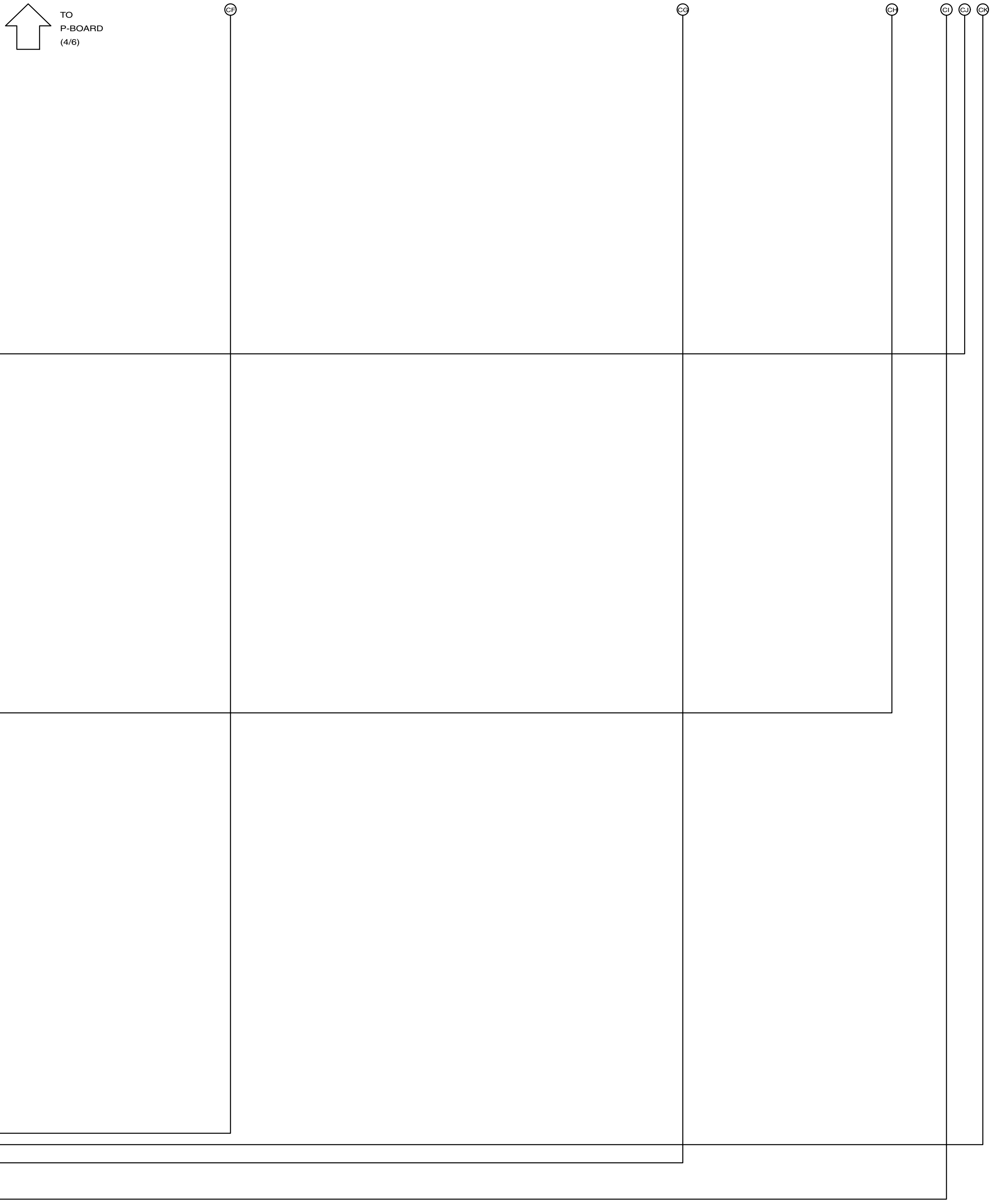
TH-37PV60E, TH-37PX60B
P-Board (5 of 6) Schematic Diagram


PA3912 (5/6)
TO
P-BOARD
(3/6)
R487 4.7K
R940 1K
IC404
ON3171
PHOTO COUPLER
1
2
3
4
HOT
COLD
BL
BM
BN
BO
BP
Q569 2SK3018
R684 10K
C511 1000P
R683 33K
31
32
33
34
R505 33
R546 1000
Q561 2SD1819A-RTX
R580 47K
C638 0.01
R578 47K
D505 D1NS4
C607 1.0
C509 100/25V
Q563 2SK2090
R935 100K
35
R609 1000
Q558 2SD1819A-RTX
R611 47K
C613 0.01
R610 47K
R615 10K
R532 1K
D515 02DZ3.3
36
37
38
39
40
13
D1
D2
12
41
42
Q554 RSR025P03
C610 1.0
R618 100K
D559 02DZ7.5
R617 10K
D512 MA111
Q553 2SD1819A-RTX
R616 10K
D513 MA111
R687 10K
C626 0.01
R936 10K
R715 100
R535 1000
Q535 2SD1819A
R501 22K
D555 02DZ7.5
C583 1000P
R512 22K
R516 1000
R515 1000
R581 47K
R575 1000
R518 1K
R536 1000
R517 10K
D588 02DZ3.3
Q557 2SD1819A-RTX
C639 0.01
R577 47K
R548 1000
Q559 2SD1819A-RTX
R586 47K
C631 0.01
R583 47K
R552 10K
R554 1000
R553 100
D590 02DZ3.3
43
44
45
46
47

TH-37PV60E, TH-37PX60B
P-Board (5 of 6) Schematic Diagram

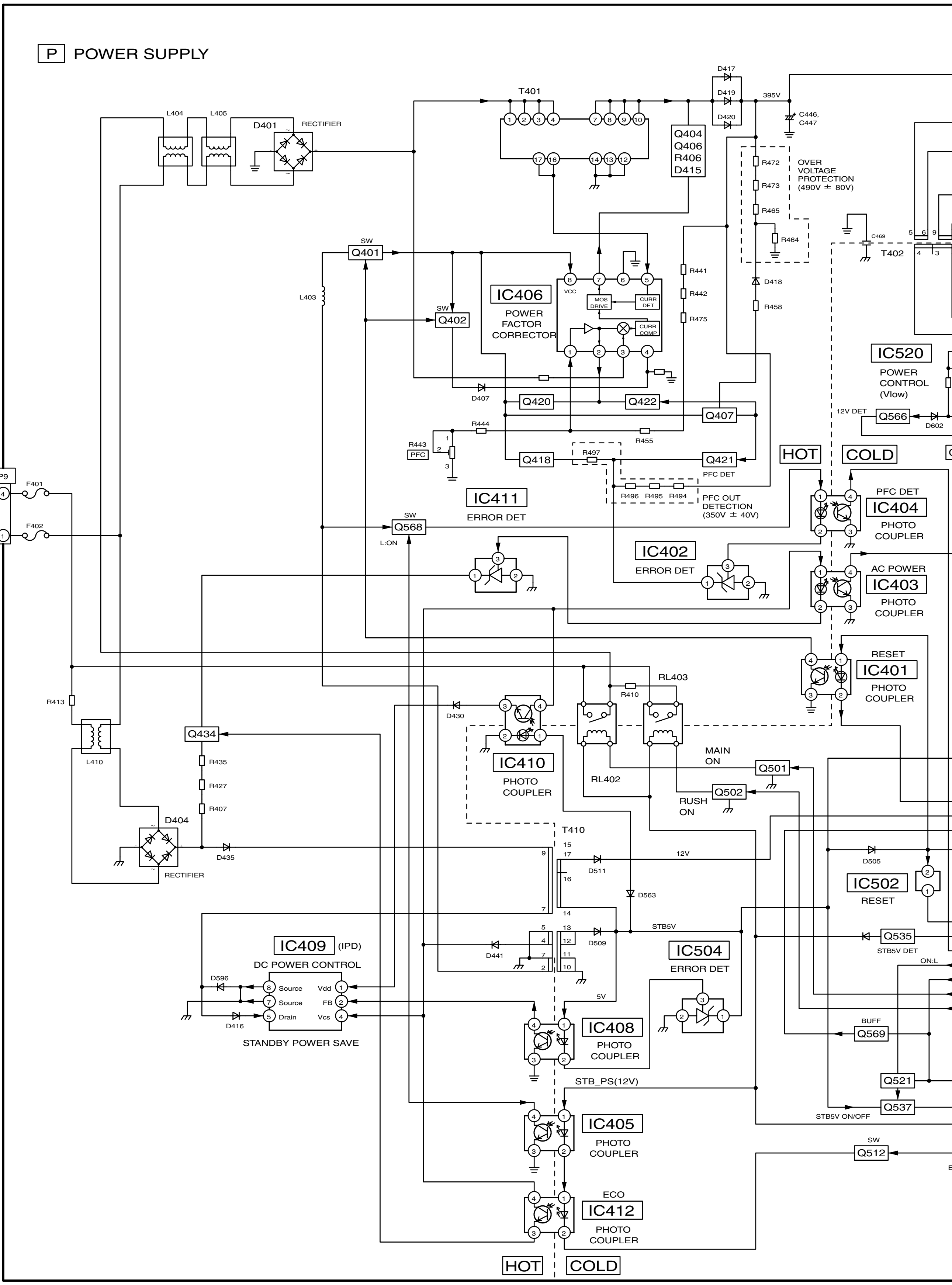
14.10. P-Board (6 of 6) Schematic Diagram (37inch)


CA
CB
CC
CD
CE
TO
P-BOARD
(4/6)
P-BOARD TNPA3912 (6/6)
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
D502
WA5001=5
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623
10
R529
100
C662
0.01
C661
0.01
R547 100
L512
4.7uH
PR505
TF16N5.00
IC510
BD9703FP
SWITCHING
REGULATOR
1
2
3
4
5
C658
1.0
C660
2.2
D600
02DZ7.5
R523
47K
L511
47uH
C558
470u/25V
D599
D1FP3
R569
33K
C559
1200
R559
8.2K

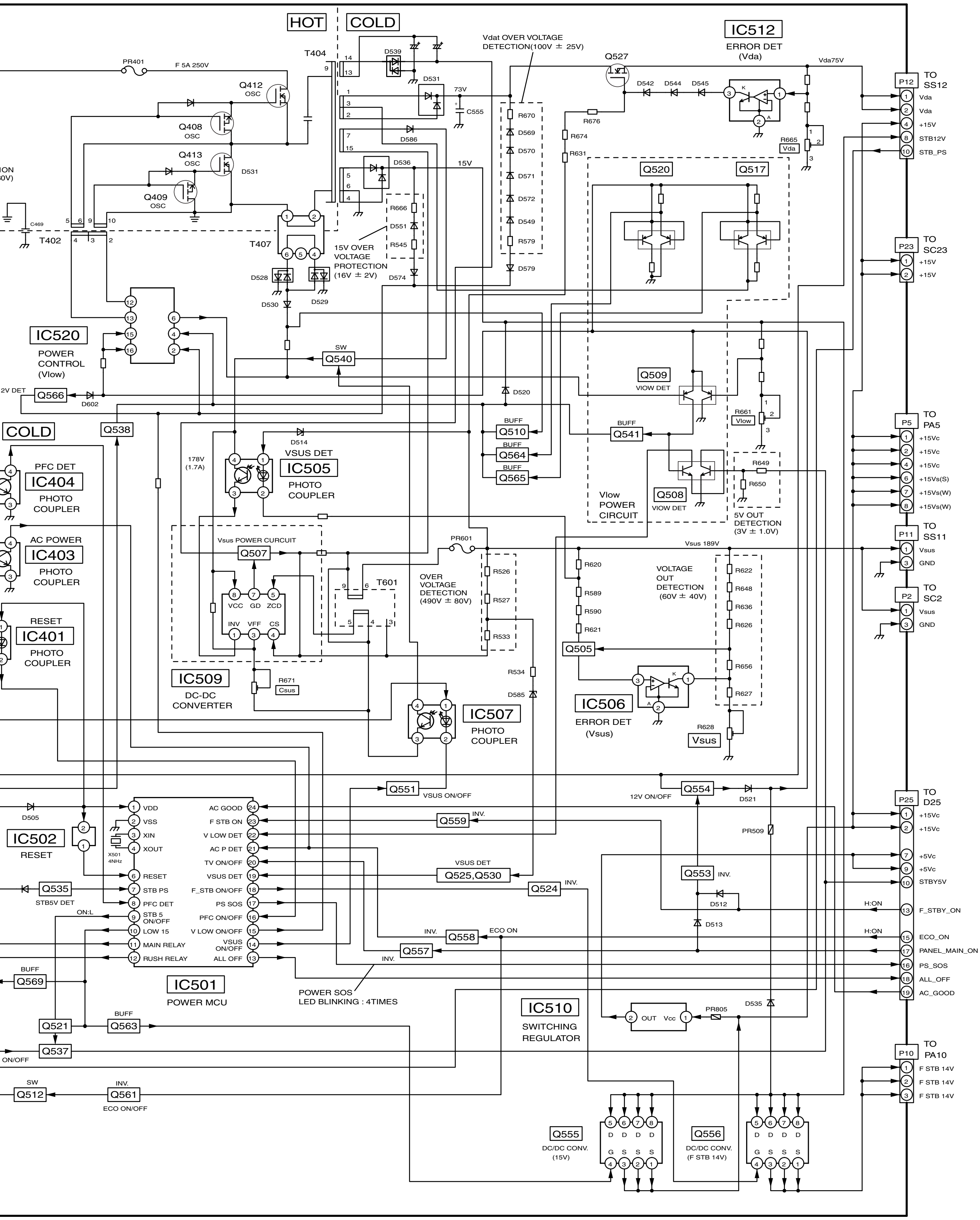

TO
P-BOARD
(4/6)
CF
CG
CH
CI
CJ
CK
14
15
16
17
18

TH-37PV60E, TH-37PX60B
P-Board (6 of 6) Schematic Diagram

14.11. P-Board Block Diagram (42inch)

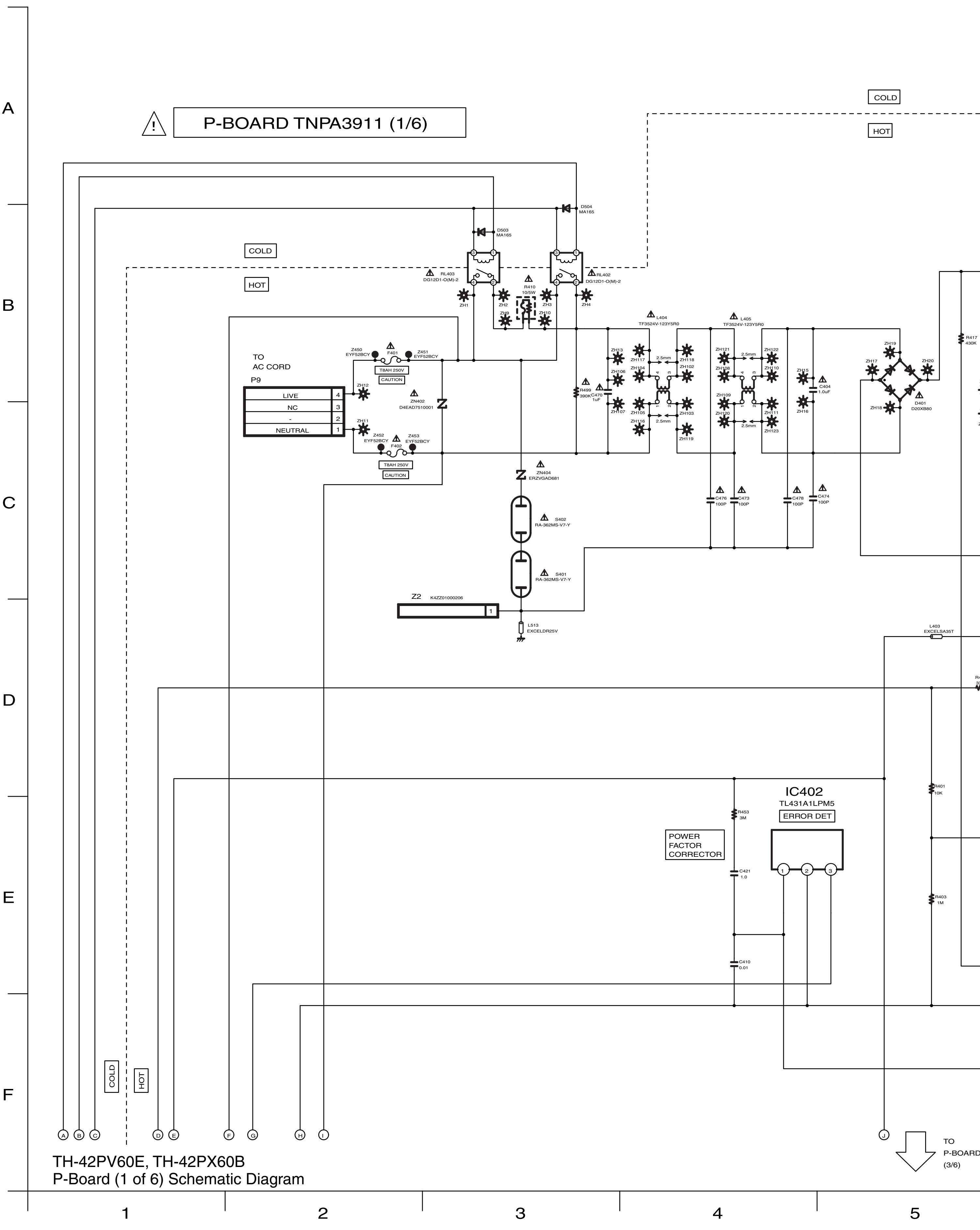

P
POWER SUPPLY
TO
AC CORD
P9
LIVE
NEUTRAL
F401
F402
L404
L405
D401
RECTIFIER
T401
D417
D419
D420
395V
C446,
C447
Q404
Q406
R406
D415
R472
R473
R465
R464
OVER
VOLTAGE
PROTECTION
(490V ± 80V)
C469
T402
SW
Q401
L403
SW
Q402
IC406
POWER
FACTOR
CORRECTOR
VCC
MOS
DRIVE
CURR
DET
CURR
COMP
R441
R442
R475
D418
R458
IC520
POWER
CONTROL
(Vlow)
12V DET
Q566
D602
D407
Q420
Q422
Q407
R444
R455
R443
PFC
Q418
R497
Q421
PFC DET
HOT
COLD
R496
R495
R494
PFC OUT
DETECTION
(350V ± 40V)
IC411
ERROR DET
SW
Q568
L:ON
IC402
ERROR DET
PFC DET
IC404
PHOTO
COUPLER
AC POWER
IC403
PHOTO
COUPLER
RESET
IC401
PHOTO
COUPLER
R410
RL403
D430
IC410
PHOTO
COUPLER
RL402
MAIN
ON
Q501
Q502
RUSH
ON
R413
L410
Q434
R435
R427
R407
D404
RECTIFIER
D435
T410
12V
D511
D563
D505
IC502
RESET
STB5V
D509
D441
Q535
STB5V DET
ON:L
IC409
(IPD)
DC POWER CONTROL
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
IC504
ERROR DET
5V
IC408
PHOTO
COUPLER
BUFF
Q569
STB_PS(12V)
Q521
Q537
STB5V ON/OFF
IC405
PHOTO
COUPLER
SW
Q512
ECO
IC412
PHOTO
COUPLER
HOT
COLD

TH-42PV60E, TH-42PX60B
P-Board Block Diagram

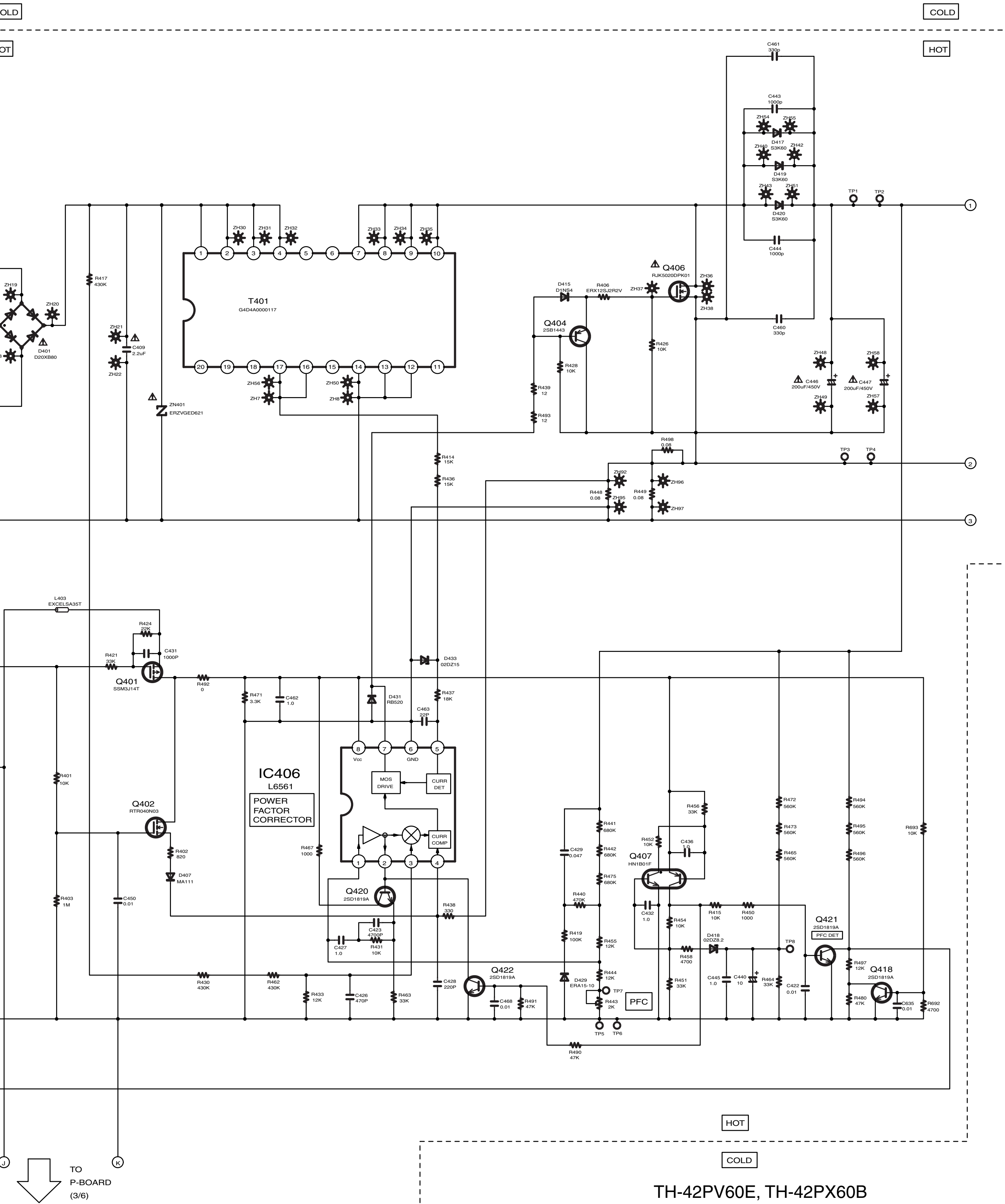

HOT
COLD
T404
PR401
F 5A 250V
Q412
OSC
Q408
OSC
Q413
OSC
Q409
OSC
D531
C469
T402
T407
D539
D531
73V
C555
D586
D536
15V
R666
D551
R545
D574
15V OVER
VOLTAGE
PROTECTION
(16V ± 2V)
D528
D529
D530
Vdat OVER VOLTAGE
DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
R676
R674
R631
D542
D544
D545
IC512
ERROR DET
(Vda)
Vda75V
R665
Vda
Q520
Q517
TO SS12
P12
Vda
Vda
+15V
STB12V
STB_PS
TO SC23
P23
+15V
+15V
IC520
POWER
CONTROL
(Vlow)
SW
Q540
Q566
D602
12V DET
Q538
COLD
D520
Q509
VlOW DET
R661
Vlow
BUFF
Q510
BUFF
Q564
BUFF
Q565
BUFF
Q541
Q508
VlOW DET
Vlow
POWER
CIRCUIT
R649
R650
5V OUT
DETECTION
(3V ± 1.0V)
TO PA5
P5
+15Vc
+15Vc
+15Vc
+15Vs(S)
+15Vs(W)
+15Vs(W)
PFC DET
IC404
PHOTO
COUPLER
AC POWER
IC403
PHOTO
COUPLER
RESET
IC401
PHOTO
COUPLER
D514
VSUS DET
IC505
PHOTO
COUPLER
178V
(1.7A)
Vsus POWER CURCUIT
Q507
VCC GD ZCD
INV VFF CS
IC509
DC-DC
CONVERTER
R671
Csus
PR601
T601
OVER
VOLTAGE
DETECTION
(490V ± 80V)
R526
R527
R533
R534
D585
IC507
PHOTO
COUPLER
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE
OUT
DETECTION
(60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET
(Vsus)
R628
Vsus
TO SS11
P11
Vsus
GND
TO SC2
P2
Vsus
GND
Q551
VSUS ON/OFF
12V ON/OFF
Q554
D521
PR509
D505
IC502
RESET
X501
4NHz
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
IC501
POWER MCU
Q559
INV.
VSUS DET
Q525,Q530
Q524
INV.
Q553
INV.
D512
D513
Q535
STB5V DET
ON:L
INV.
Q558
ECO ON
Q557
INV.
POWER SOS
LED BLINKING : 4TIMES
BUFF
Q569
Q521
BUFF
Q563
Q537
ON/OFF
SW
Q512
INV.
Q561
ECO ON/OFF
IC510
SWITCHING
REGULATOR
OUT Vcc
PR805
D535
TO D25
P25
+15Vc
+15Vc
+5Vc
+5Vc
STBY5V
H:ON
F_STBY_ON
H:ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
TO PA10
P10
F STB 14V
F STB 14V
F STB 14V
Q555
DC/DC CONV.
(15V)
Q556
DC/DC CONV.
(F STB 14V)
D D D D
G S S S

TH-42PV60E, TH-42PX60B
P-Board Block Diagram

14.12. P-Board (1 of 6) Schematic Diagram (42inch)

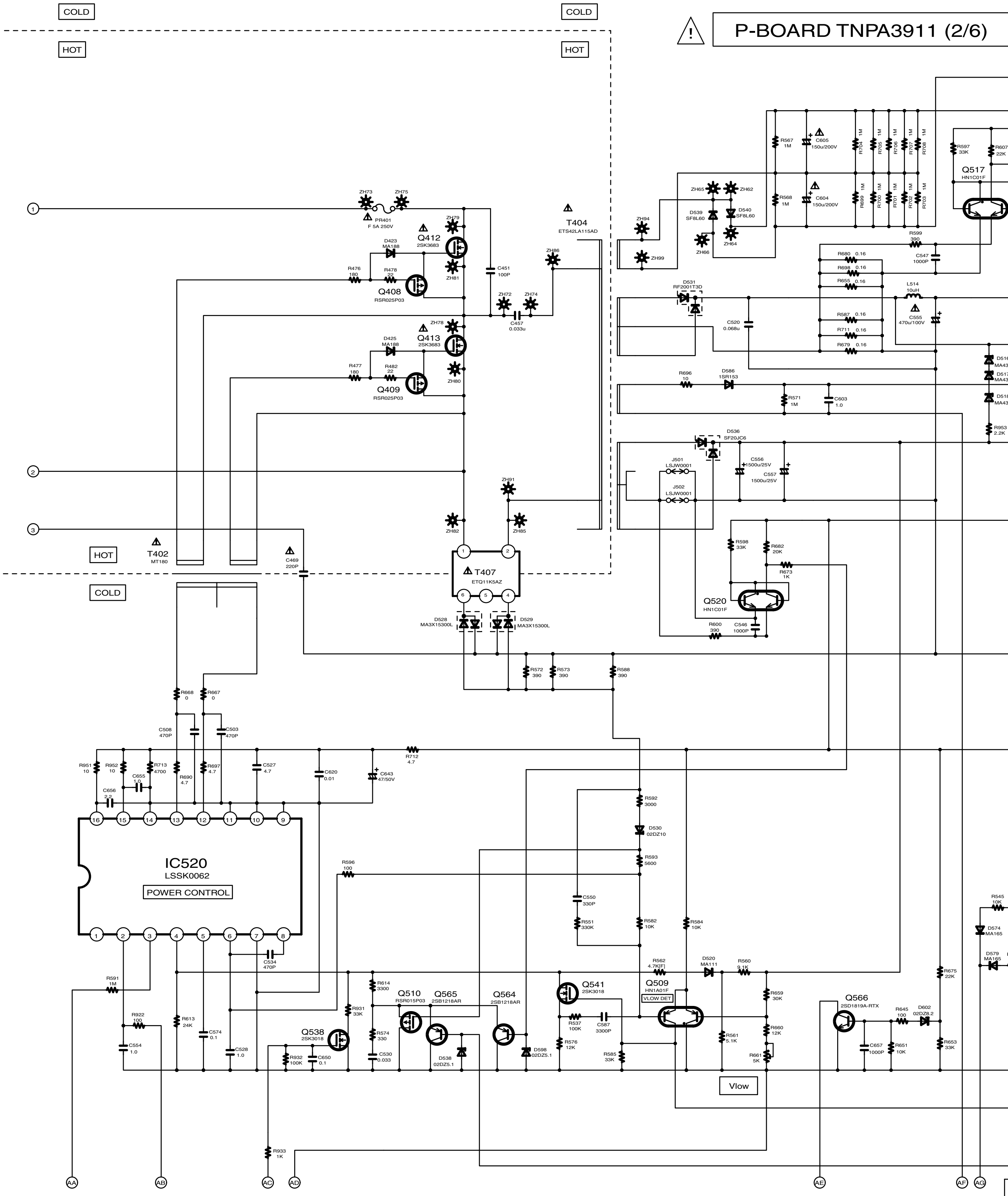

A
B
C
D
E
F
1
2
3
4
5
P-BOARD TNPA3911 (1/6)
COLD
HOT
D504
MA165
D503
MA165
RL403
DG12D1-O(M)-2
RL402
DG12D1-O(M)-2
R410
10/5W
ZH1
ZH2
ZH3
ZH4
ZH9
ZH10
L404
TF3524V-123Y5R0
L405
TF3524V-123Y5R0
TO
AC CORD
P9
LIVE
NC
-
NEUTRAL
4
3
2
1
Z450
EYF52BCY
F401
Z451
EYF52BCY
T8AH 250V
CAUTION
ZH12
ZH11
ZN402
D4EAD7510001
Z452
EYF52BCY
F402
Z453
EYF52BCY
T8AH 250V
CAUTION
R499
390K
C470
1uF
ZH13
ZH106
ZH107
ZH117
ZH104
ZH105
ZH116
ZH118
ZH102
ZH103
ZH119
2.5mm
2.5mm
ZH121
ZH108
ZH109
ZH120
ZH122
ZH110
ZH111
ZH123
2.5mm
2.5mm
ZH15
ZH16
C404
1.0uF
ZH17
ZH18
ZH19
ZH20
D401
D20XB80
R417
430K
ZN404
ERZVGAD681
C476
100P
C473
100P
C478
100P
C474
100P
S402
RA-362MS-V7-Y
S401
RA-362MS-V7-Y
Z2
K4ZZ01000206
L513
EXCELDR25V
L403
EXCELSA35T
R401
10K
R403
1M
IC402
TL431A1LPM5
ERROR DET
POWER
FACTOR
CORRECTOR
R453
3M
C421
1.0
C410
0.01
COLD
HOT
A
B
C
D
E
F
G
H
I
J
TO
P-BOARD
(3/6)

TH-42PV60E, TH-42PX60B
P-Board (1 of 6) Schematic Diagram

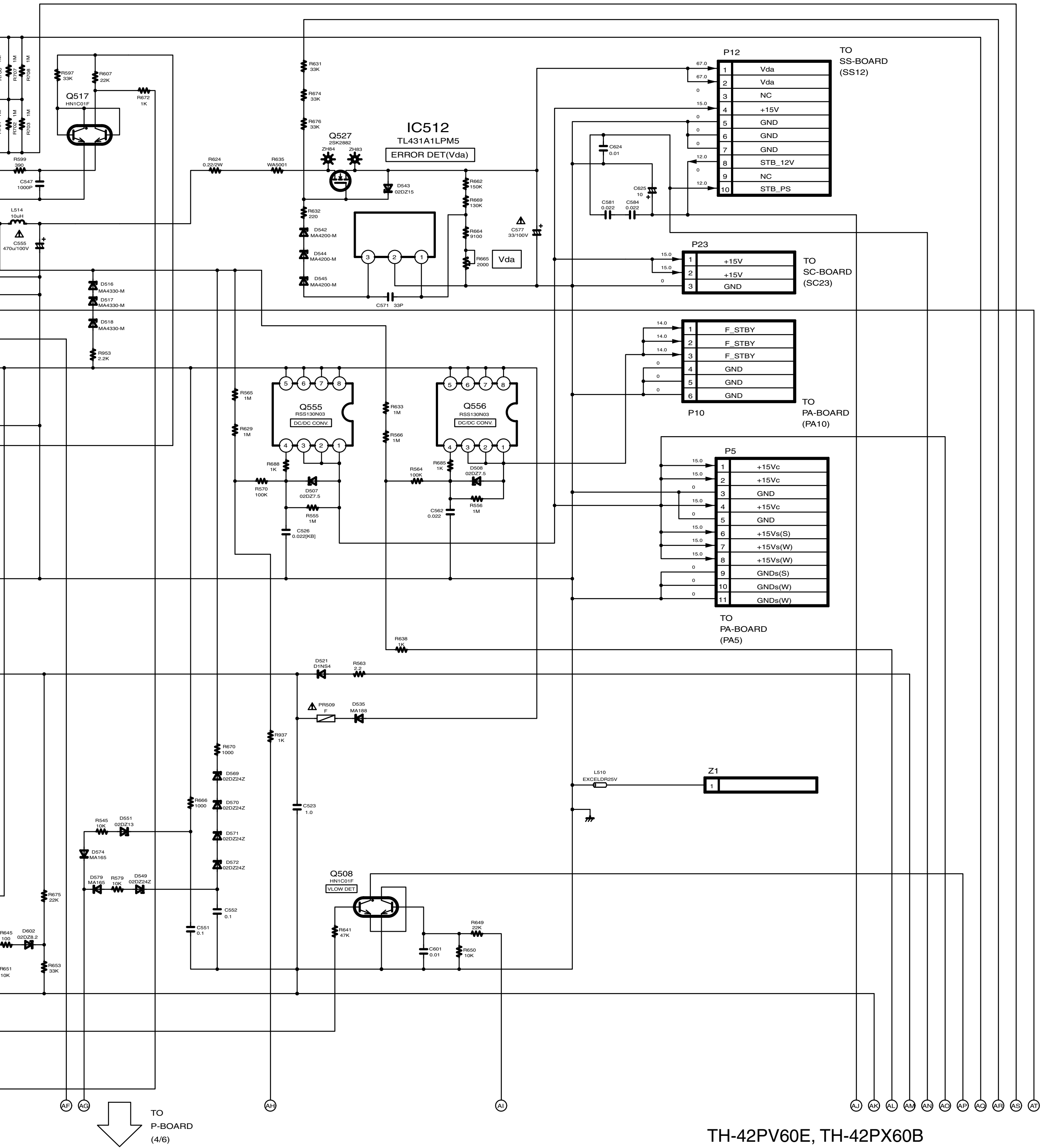

COLD
HOT
C461 330p
C443 1000p
ZH54 ZH55
D417 S3K60
ZH40 ZH42
D419 S3K60
ZH43 ZH51
D420 S3K60
C444 1000p
TP1 TP2
1
T401 G4D4A0000117
ZH30 ZH31 ZH32 ZH33 ZH34 ZH35
ZH56 ZH7 ZH50 ZH8
R417 430K
ZH19 ZH20
D401 D20XB80
ZH21 ZH22
C409 2.2uF
ZN401 ERZVGED621
Q406 RJK5020DPK01
ZH36 ZH37 ZH38
D415 D1NS4
R406 ERX12SJ2R2V
Q404 2SB1443
R426 10K
R428 10K
R439 12
R493 12
C460 330p
ZH48 ZH58
C446 200uF/450V
C447 200uF/450V
ZH49 ZH57
R498 0.08
TP3 TP4
2
ZH92 ZH96
R448 0.08
R449 0.08
ZH95 ZH97
3
R414 15K
R436 15K
L403 EXCELSA35T
R424 22K
R421 33K
C431 1000P
Q401 SSM3J14T
R492 0
R471 3.3K
C462 1.0
D431 RB520
D433 02DZ15
R437 18K
C463 22P
IC406 L6561
POWER FACTOR CORRECTOR
Vcc GND
MOS DRIVE
CURR DET
CURR COMP
R401 10K
Q402 RTR040N03
R402 820
D407 MA111
R403 1M
C450 0.01
R467 1000
Q420 2SD1819A
R438 330
C423 4700P
C427 1.0
R431 10K
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
C428 220P
Q422 2SD1819A
C468 0.01
R491 47K
R441 680K
R442 680K
R475 680K
C429 0.047
R440 470K
R419 100K
D429 ERA15-10
R455 12K
R444 12K
TP7
R443 2K
PFC
TP5 TP6
R490 47K
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R415 10K
R450 1000
D418 02DZ8.2
R458 4700
R451 33K
C445 1.0
C440 10
R464 33K
C422 0.01
TP8
R472 560K
R473 560K
R465 560K
R494 560K
R495 560K
R496 560K
R693 10K
Q421 2SD1819A
PFC DET
R497 12K
Q418 2SD1819A
R480 47K
C635 0.01
R692 4700
HOT
COLD
J
K
TO P-BOARD (3/6)

TH-42PV60E, TH-42PX60B
P-Board (1 of 6) Schematic Diagram

14.13. P-Board (2 of 6) Schematic Diagram (42inch)


COLD
HOT
COLD
HOT
P-BOARD TNPA3911 (2/6)
ZH73
ZH75
PR401
F 5A 250V
ZH79
D423
MA188
Q412
2SK3683
ZH81
R476
180
R478
22
Q408
RSR025P03
C451
100P
T404
ETS42LA115AD
ZH86
ZH72
ZH74
C457
0.033u
ZH78
D425
MA188
Q413
2SK3683
R477
180
R482
22
Q409
RSR025P03
ZH80
ZH91
ZH82
ZH85
T402
MT180
C469
220P
T407
ETQ11K5AZ
D528
MA3X15300L
D529
MA3X15300L
R572
390
R573
390
R588
390
R668
0
R667
0
C508
470P
C503
470P
R951
10
R952
10
R713
4700
R690
4.7
R697
4.7
C655
1.0
C656
2.2
C527
4.7
C620
0.01
C643
47/50V
R712
4.7
IC520
LSSK0062
POWER CONTROL
R596
100
C534
470P
R591
1M
R922
100
C554
1.0
R613
24K
C574
0.1
C528
1.0
R614
3300
R931
33K
Q538
2SK3018
R932
100K
C650
0.1
Q510
RSR015P03
Q565
2SB1218AR
R574
330
C530
0.033
D538
02DZ5.1
Q564
2SB1218AR
D598
02DZ5.1
Q541
2SK3018
R537
100K
C587
3300P
R576
12K
R585
33K
R592
3000
D530
02DZ10
R593
5600
C550
330P
R551
330K
R582
10K
R584
10K
R562
4.7K[F]
Q509
HN1A01F
VLOW DET
D520
MA111
R560
9.1K
R659
30K
R660
12K
R561
5.1K
R661
5K
Vlow
R933
1K
Q566
2SD1819A-RTX
R645
100
D602
02DZ8.2
C657
1000P
R651
10K
R653
33K
R675
22K
R545
10K
D574
MA165
D579
MA165
ZH94
ZH99
ZH65
ZH62
D539
SF8L60
D540
SF8L60
ZH66
ZH64
R567
1M
C605
150u/200V
R568
1M
C604
150u/200V
R704 1M
R705 1M
R706 1M
R707 1M
R708 1M
R699 1M
R700 1M
R701 1M
R702 1M
R703 1M
R597
33K
R607
22K
Q517
HN1C01F
R599
390
C547
1000P
R680 0.16
R698 0.16
R655 0.16
L514
10uH
D531
RF2001T3D
C520
0.068u
R587 0.16
R711 0.16
R679 0.16
C555
470u/100V
R696
10
D586
1SR153
R571
1M
C603
1.0
R953
2.2K
D536
SF20JC6
J501
LSJW0001
J502
LSJW0001
C556
1500u/25V
C557
1500u/25V
R598
33K
R682
20K
R673
1K
Q520
HN1C01F
R600
390
C546
1000P
AA
AB
AC
AD
AE
AF
AG

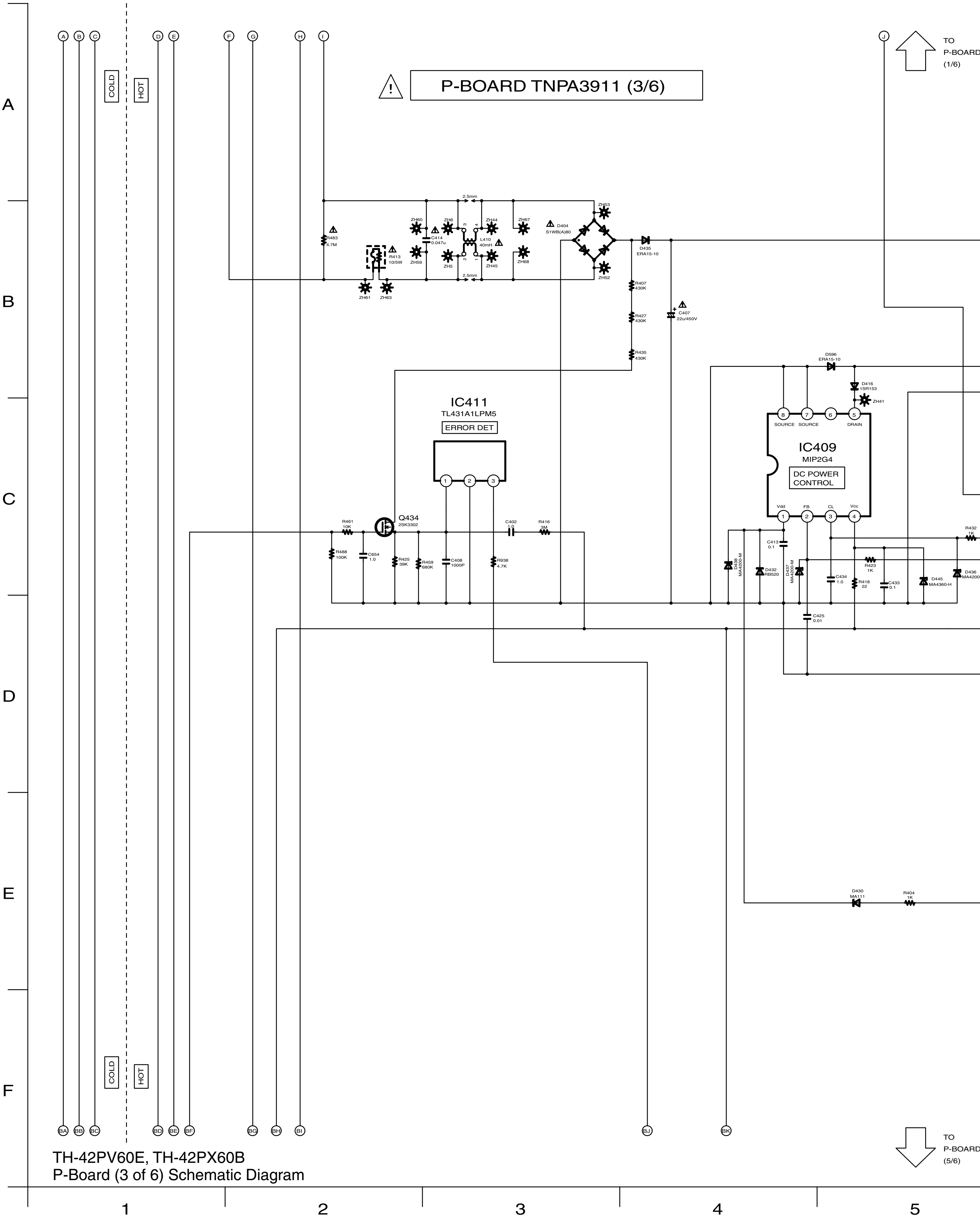
3911 (2/6)


P12
TO
SS-BOARD
(SS12)
1 Vda
2 Vda
3 NC
4 +15V
5 GND
6 GND
7 GND
8 STB_12V
9 NC
10 STB_PS
P23
TO
SC-BOARD
(SC23)
1 +15V
2 +15V
3 GND
P10
TO
PA-BOARD
(PA10)
1 F_STBY
2 F_STBY
3 F_STBY
4 GND
5 GND
6 GND
P5
TO
PA-BOARD
(PA5)
1 +15Vc
2 +15Vc
3 GND
4 +15Vc
5 GND
6 +15Vs(S)
7 +15Vs(W)
8 +15Vs(W)
9 GNDs(S)
10 GNDs(W)
11 GNDs(W)
IC512
TL431A1LPM5
ERROR DET(Vda)
Vda
Q527
2SK2882
ZH84
ZH83
Q517
HN1C01F
Q555
RSS130N03
DC/DC CONV.
Q556
RSS130N03
DC/DC CONV.
Q508
HN1C01F
VLOW DET
Z1
L510
EXCELDR25V
R631 33K
R674 33K
R676 33K
R624 0.22/2W
R635 WA5001
R632 220
D542 MA4200-M
D544 MA4200-M
D545 MA4200-M
D543 02DZ15
R662 150K
R669 130K
R664 9100
R665 2000
C577 33/100V
C571 33P
C624 0.01
C625 10
C581 0.022
C584 0.022
R597 33K
R607 22K
R672 1K
R707 1M
R708 1M
R702 1M
R703 1M
R599 390
C547 1000P
L514 10uH
C555 470u/100V
D516 MA4330-M
D517 MA4330-M
D518 MA4330-M
R953 2.2K
R565 1M
R629 1M
R633 1M
R566 1M
R688 1K
R570 100K
D507 02DZ7.5
R555 1M
C526 0.022[KB]
R564 100K
R685 1K
D508 02DZ7.5
C562 0.022
R556 1M
R638 1K
D521 D1NS4
R563 2.2
PR509 F
D535 MA188
R937 1K
C523 1.0
R670 1000
D569 02DZ24Z
D570 02DZ24Z
D571 02DZ24Z
D572 02DZ24Z
R666 1000
C552 0.1
C551 0.1
R545 10K
D551 02DZ13
D574 MA165
D579 MA165
R579 10K
D549 02DZ24Z
R675 22K
R645 100
D602 02DZ8.2
R651 10K
R653 33K
R641 47K
C601 0.01
R649 22K
R650 10K
67.0
67.0
0
15.0
0
0
0
12.0
0
12.0
15.0
15.0
0
14.0
14.0
14.0
0
0
0
15.0
15.0
0
15.0
0
15.0
15.0
15.0
0
0
0
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
AS
AT
TO
P-BOARD
(4/6)

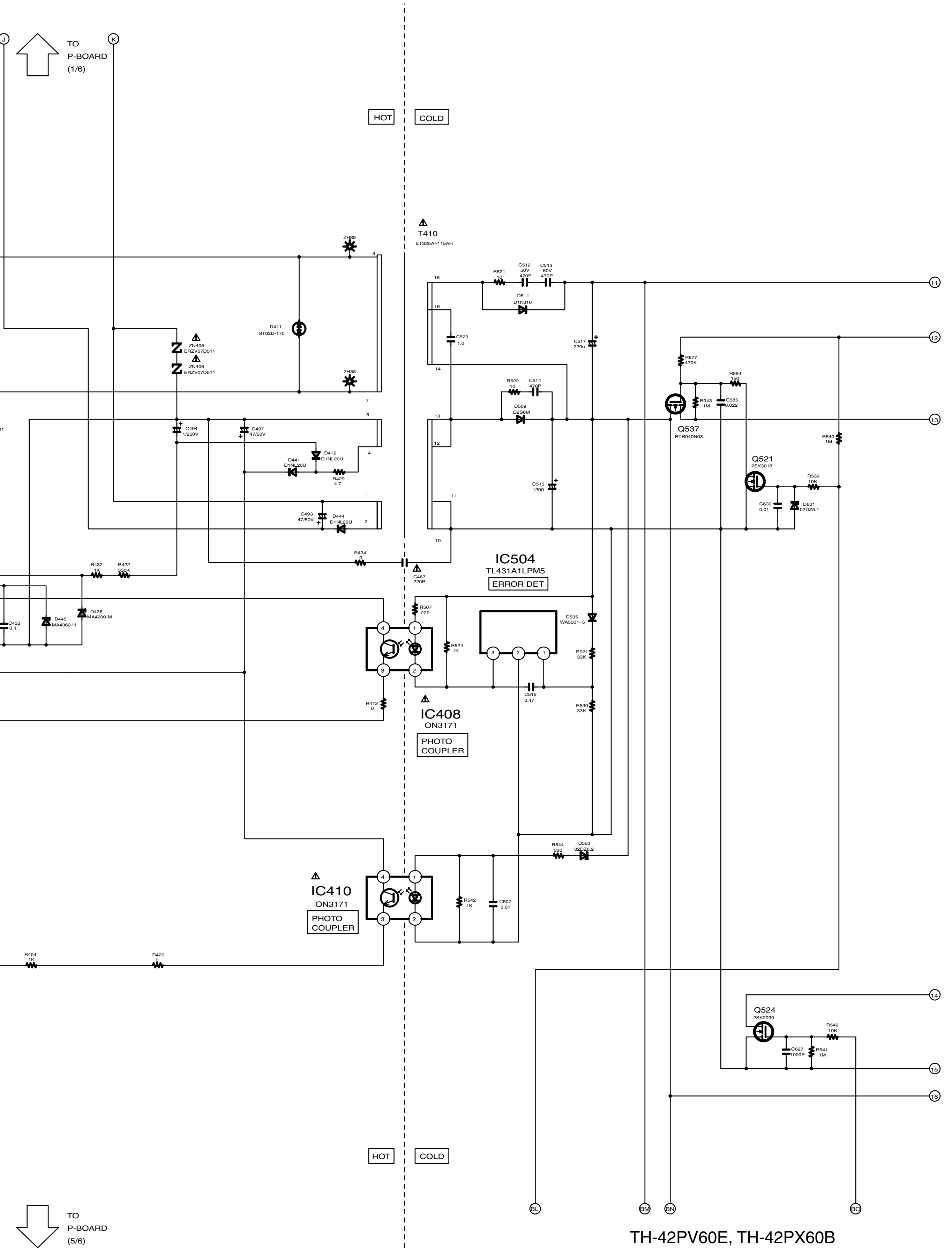
TH-42PV60E, TH-42PX60B
P-Board (2 of 6) Schematic Diagram

14 15 16 17 18

14.14. P-Board (3 of 6) Schematic Diagram (42inch)

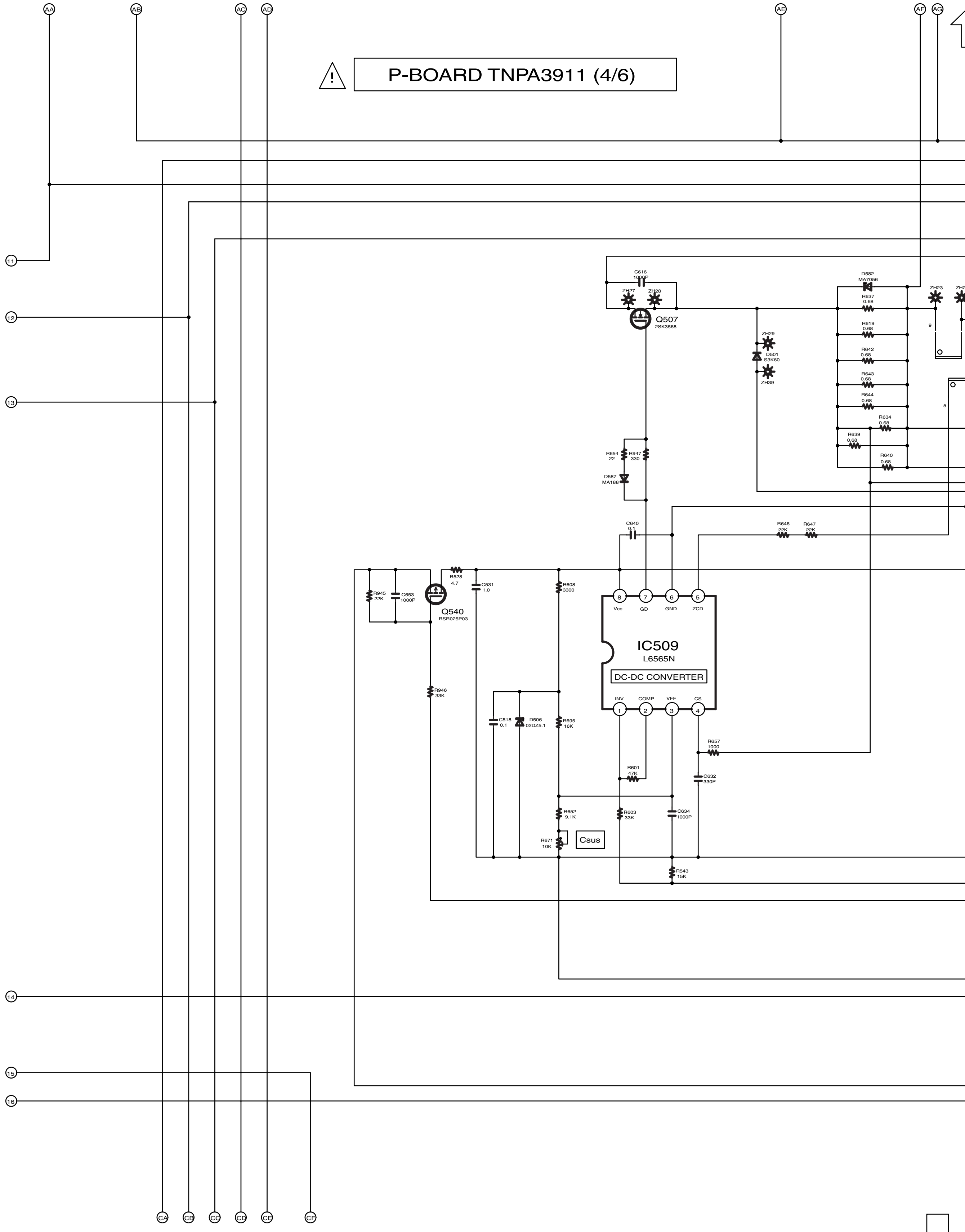

A
B
C
D
E
F
1
2
3
4
5
COLD
HOT
P-BOARD TNPA3911 (3/6)
TO
P-BOARD
(1/6)
TO
P-BOARD
(5/6)
R483
4.7M
R413
10/5W
ZH61
ZH63
ZH60
ZH59
C414
0.047u
ZH6
ZH5
ZH44
ZH45
L410
40mH
2.5mm
ZH67
ZH68
D404
S1WB(A)80
ZH53
ZH52
D435
ERA15-10
R407
430K
R427
430K
R435
430K
C407
22u/450V
IC411
TL431A1LPM5
ERROR DET
Q434
2SK3302
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C408
1000P
R938
4.7K
C402
1.0
R416
3M
D596
ERA15-10
D416
1SR153
ZH41
IC409
MIP2G4
DC POWER
CONTROL
SOURCE
SOURCE
DRAIN
Vdd
FB
CL
Vcc
C413
0.1
D438
MA4200-M
D432
RB520
D437
MA4200-M
C434
1.0
R418
22
R423
1K
C433
0.1
D445
MA4360-H
D436
MA4200
R432
1K
C425
0.01
D430
MA111
R404
1K
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK

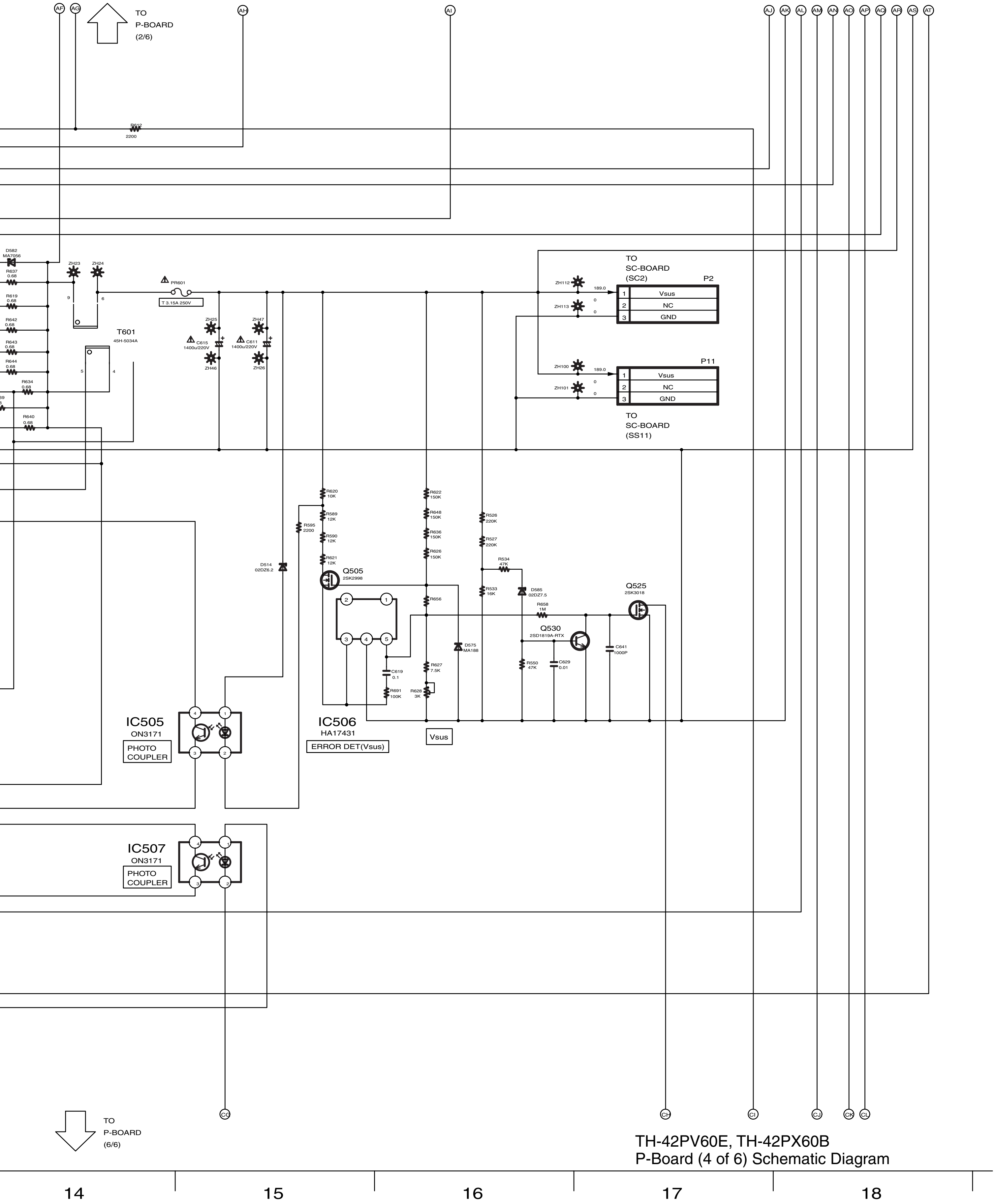
TH-42PV60E, TH-42PX60B
P-Board (3 of 6) Schematic Diagram


J
K
TO
P-BOARD
(1/6)
HOT
COLD
T410
ETS25AF115AH
ZH89
ZH88
D411
ST02D-170
ZN405
ERZV07D511
ZN406
ERZV07D511
C494
1/250V
C497
47/50V
D412
D1NL20U
D441
D1NL20U
R429
4.7
C493
47/50V
D444
D1NL20U
R434
0
C467
220P
R432
1K
R422
330K
C433
0.1
D445
MA4360-H
D436
MA4200-M
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
C529
1.0
C517
220u
R522
10
C514
470P
D509
D2S6M
C515
1200
R677
470K
R594
150
R943
1M
C585
0.022
Q537
RTR040N03
R540
1M
Q521
2SK3018
R539
10K
C630
0.01
D601
02DZ5.1
IC504
TL431A1LPM5
ERROR DET
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
R412
0
IC408
ON3171
PHOTO
COUPLER
R544
330
D563
02DZ6.2
IC410
ON3171
PHOTO
COUPLER
R542
1K
C507
0.01
R404
1K
R420
0
Q524
2SK2090
R549
10K
C627
1000P
R541
1M
11
12
13
14
15
16
BL
BM
BN
BO
TO
P-BOARD
(5/6)
5
6
7
8
9

TH-42PV60E, TH-42PX60B
P-Board (3 of 6) Schematic Diagram

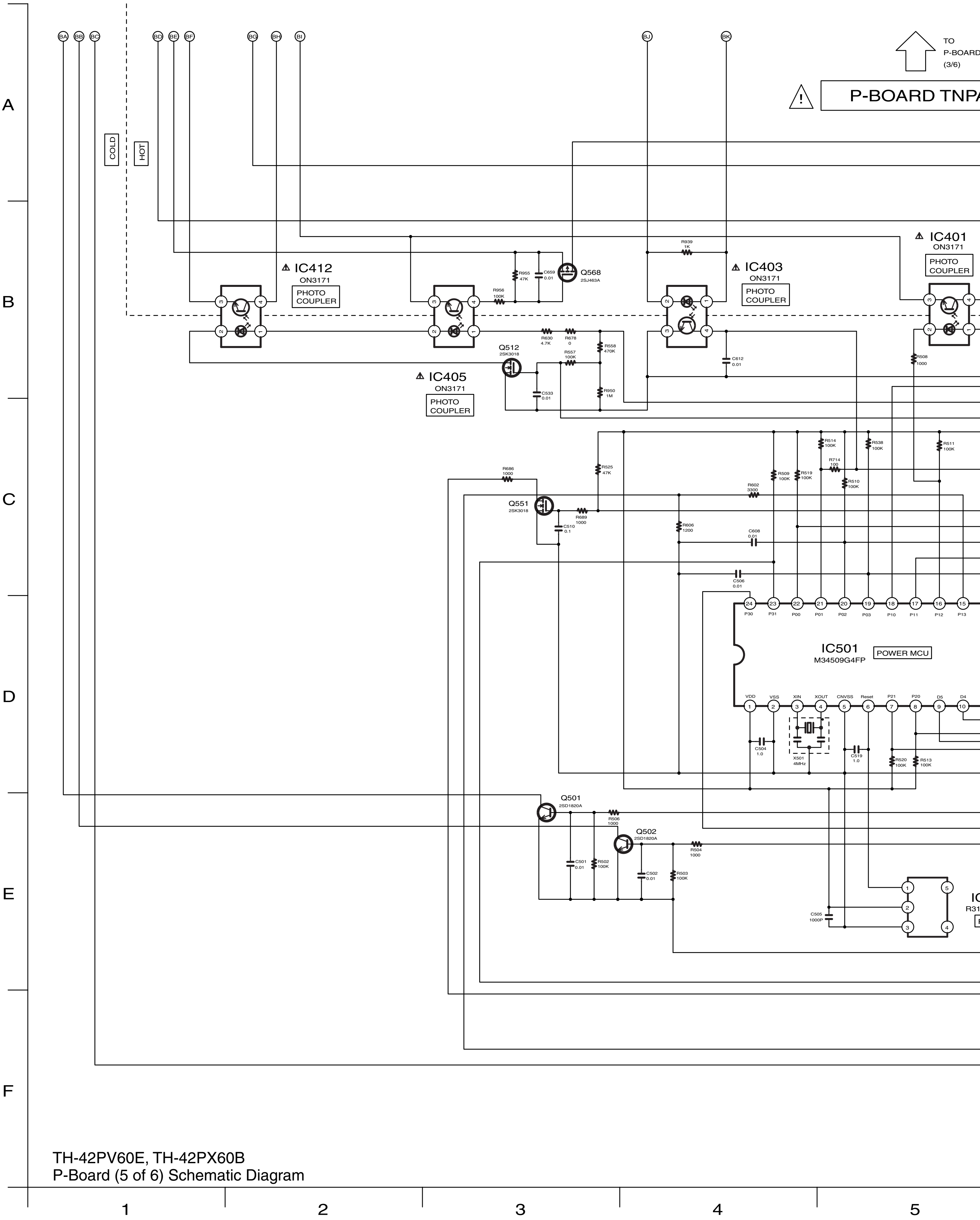
14.15. P-Board (4 of 6) Schematic Diagram (42inch)


AA
AB
AC
AD
AE
AF
AG
P-BOARD TNPA3911 (4/6)
11
12
13
14
15
16
C616
1000P
ZH27
ZH28
Q507
2SK3568
ZH29
D501
S3K60
ZH39
D582
MA7056
R637
0.68
R619
0.68
R642
0.68
R643
0.68
R644
0.68
R634
0.68
R639
0.68
R640
0.68
ZH23
9
5
R654
22
R947
330
D587
MA188
C640
0.1
R646
22K
R647
22K
R945
22K
C653
1000P
Q540
RSR025P03
R528
4.7
C531
1.0
R608
3300
8
7
6
5
Vcc
GD
GND
ZCD
IC509
L6565N
DC-DC CONVERTER
INV
COMP
VFF
CS
1
2
3
4
R946
33K
C518
0.1
D506
02DZ5.1
R695
16K
R657
1000
R601
47K
C632
330P
R652
9.1K
R603
33K
C634
1000P
R671
10K
Csus
R543
15K
CA
CB
CC
CD
CE
CF

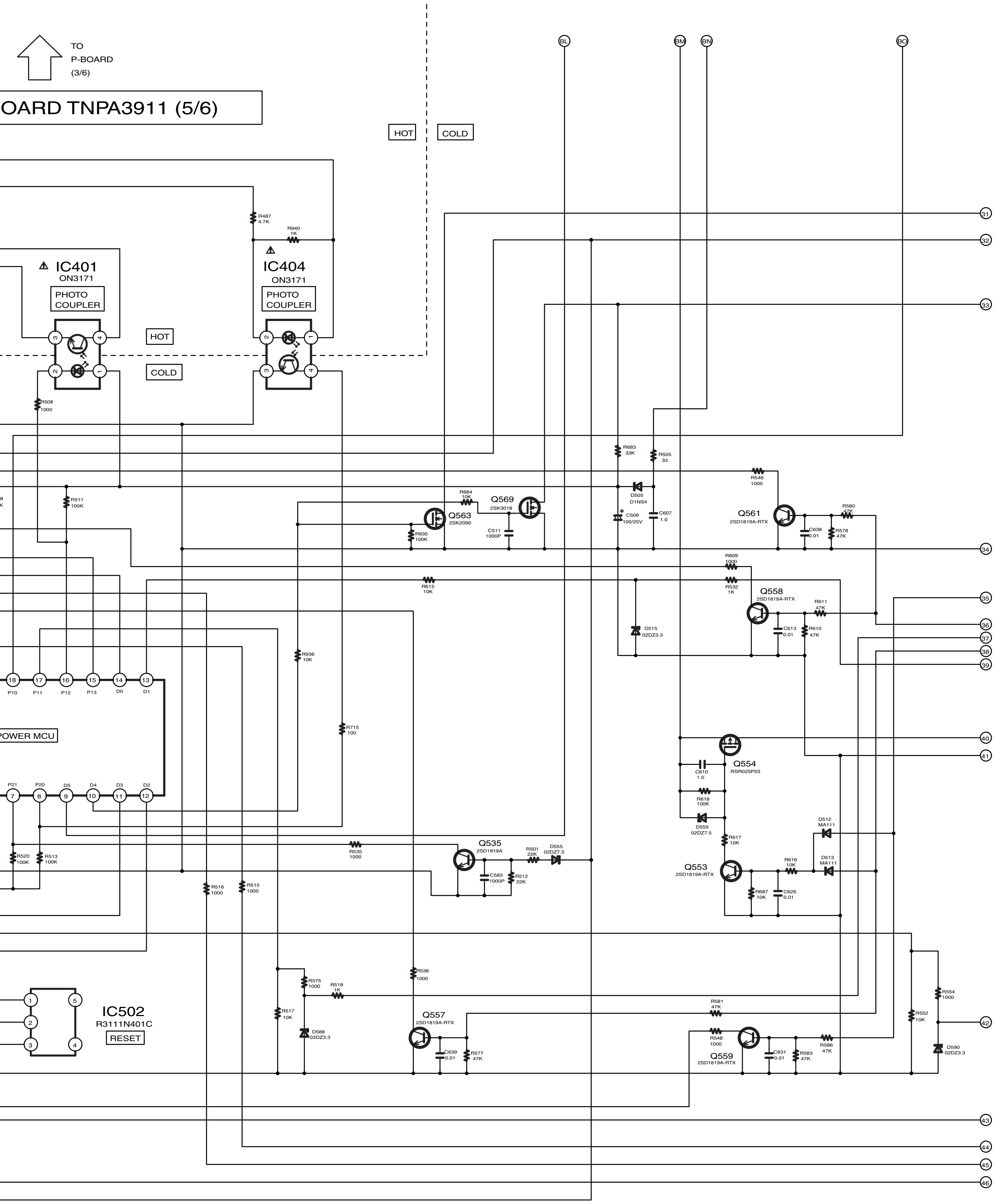

AF
AG
TO
P-BOARD
(2/6)
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
AS
AT
R612
2200
D582
MA7056
R637
0.68
R619
0.68
R642
0.68
R643
0.68
R644
0.68
R634
0.68
R640
0.68
ZH23
ZH24
PR601
T 3.15A 250V
9
6
T601
45H-5034A
5
4
ZH25
ZH47
C615
1400u/220V
C611
1400u/220V
ZH46
ZH26
TO
SC-BOARD
(SC2)
P2
ZH112
ZH113
189.0
0
0
1
Vsus
2
NC
3
GND
P11
ZH100
ZH101
189.0
0
0
1
Vsus
2
NC
3
GND
TO
SC-BOARD
(SS11)
R620
10K
R589
12K
R590
12K
R621
12K
R595
2200
D514
02DZ6.2
Q505
2SK2998
R622
150K
R648
150K
R636
150K
R626
150K
R656
R526
220K
R527
220K
R534
47K
R533
16K
D585
02DZ7.5
R658
1M
Q525
2SK3018
Q530
2SD1819A-RTX
D575
MA188
C641
1000P
R550
47K
C629
0.01
R627
7.5K
C619
0.1
R691
100K
R628
3K
IC505
ON3171
PHOTO
COUPLER
IC506
HA17431
ERROR DET(Vsus)
Vsus
IC507
ON3171
PHOTO
COUPLER
TO
P-BOARD
(6/6)
CG
CH
CI
CJ
CK
CL
14
15
16
17
18

TH-42PV60E, TH-42PX60B
P-Board (4 of 6) Schematic Diagram

14.16. P-Board (5 of 6) Schematic Diagram (42inch)


A
B
C
D
E
F
1
2
3
4
5
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
TO
P-BOARD
(3/6)
P-BOARD TNPA
COLD
HOT
IC412
ON3171
PHOTO COUPLER
IC405
ON3171
PHOTO COUPLER
IC403
ON3171
PHOTO COUPLER
IC401
ON3171
PHOTO COUPLER
Q568
2SJ463A
Q512
2SK3018
Q551
2SK3018
Q501
2SD1820A
Q502
2SD1820A
R955 47K
C659 0.01
R956 100K
R939 1K
R630 4.7K
R678 0
R558 470K
R557 100K
R950 1M
C533 0.01
C612 0.01
R508 1000
R514 100K
R538 100K
R511 100K
R714 100
R509 100K
R519 100K
R510 100K
R602 3300
R686 1000
R525 47K
R689 1000
C510 0.1
R606 1200
C608 0.01
C506 0.01
IC501
M34509G4FP
POWER MCU
P30
P31
P00
P01
P02
P03
P10
P11
P12
P13
VDD
VSS
XIN
XOUT
CNVSS
Reset
P21
P20
D5
D4
C504 1.0
X501 4MHz
C519 1.0
R520 100K
R513 100K
R506 1000
C501 0.01
R502 100K
C502 0.01
R503 100K
R504 1000
C505 1000P
IC
R31

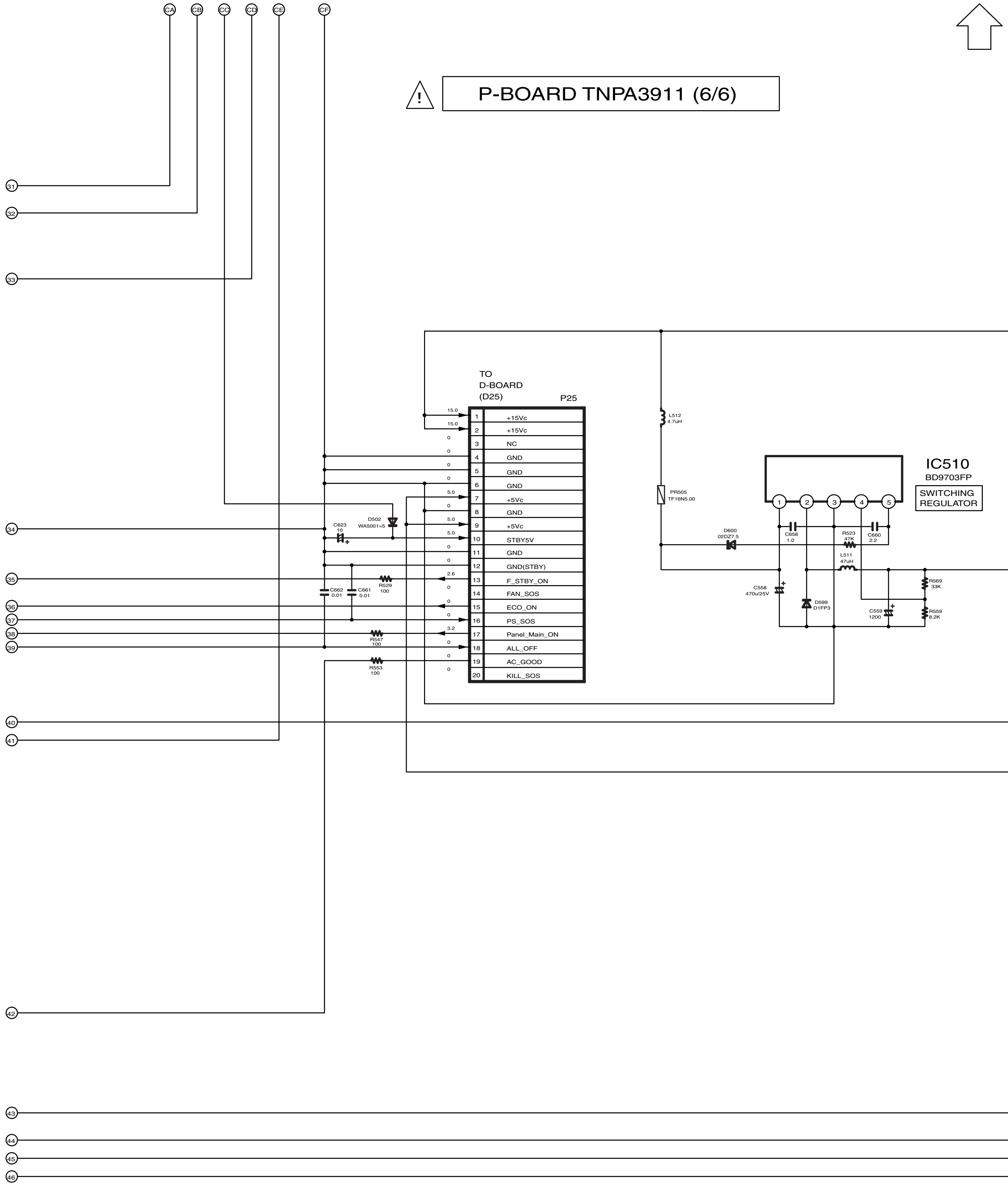
TH-42PV60E, TH-42PX60B
P-Board (5 of 6) Schematic Diagram

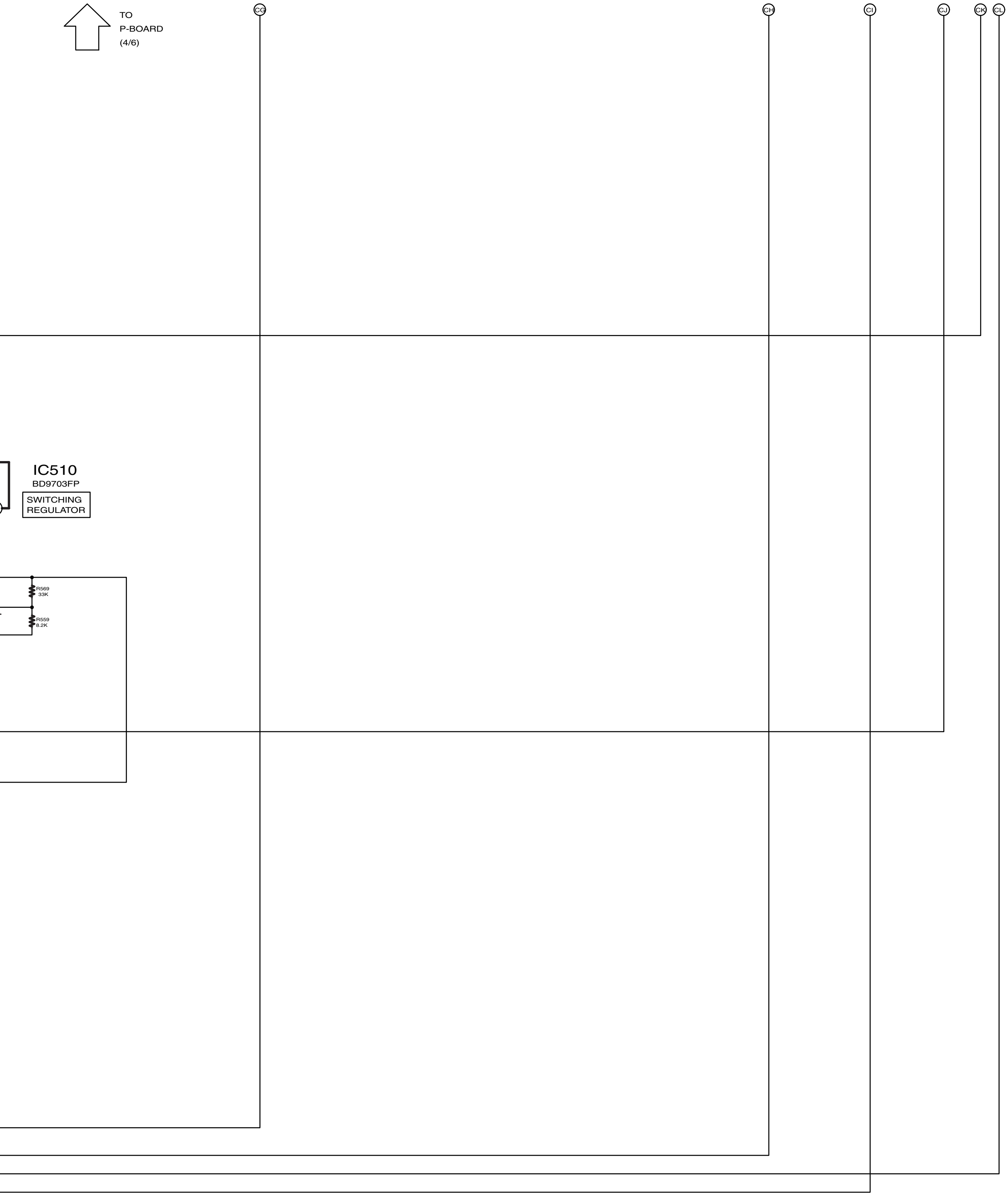

TO
P-BOARD
(3/6)
OARD TNPA3911 (5/6)
HOT
COLD
BL
BM
BN
BO
R487
4.7K
R940
1K
IC401
ON3171
PHOTO
COUPLER
IC404
ON3171
PHOTO
COUPLER
R508
1000
R511
100K
R683
33K
R505
33
R546
1000
D505
D1NS4
C509
100/25V
C607
1.0
R684
10K
Q569
2SK3018
Q563
2SK2090
R935
100K
C511
1000P
Q561
2SD1819A-RTX
R580
47K
C638
0.01
R578
47K
R609
1000
R532
1K
R615
10K
Q558
2SD1819A-RTX
R611
47K
D515
02DZ3.3
C613
0.01
R610
47K
R936
10K
P10
P11
P12
P13
D0
D1
POWER MCU
R715
100
Q554
RSR025P03
C610
1.0
R618
100K
D559
02DZ7.5
R617
10K
D512
MA111
D513
MA111
P21
P20
D5
D4
D3
D2
R520
100K
R513
100K
R535
1000
Q535
2SD1819A
R501
22K
D555
02DZ7.5
C583
1000P
R512
22K
Q553
2SD1819A-RTX
R616
10K
R687
10K
C626
0.01
R516
1000
R515
1000
R536
1000
R575
1000
R518
1K
R517
10K
D588
02DZ3.3
IC502
R3111N401C
RESET
Q557
2SD1819A-RTX
C639
0.01
R577
47K
R581
47K
R548
1000
Q559
2SD1819A-RTX
C631
0.01
R583
47K
R586
47K
R554
1000
R552
10K
D590
02DZ3.3
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46

TH-42PV60E, TH-42PX60B
P-Board (5 of 6) Schematic Diagram

5 6 7 8 9

14.17. P-Board (6 of 6) Schematic Diagram (42inch)

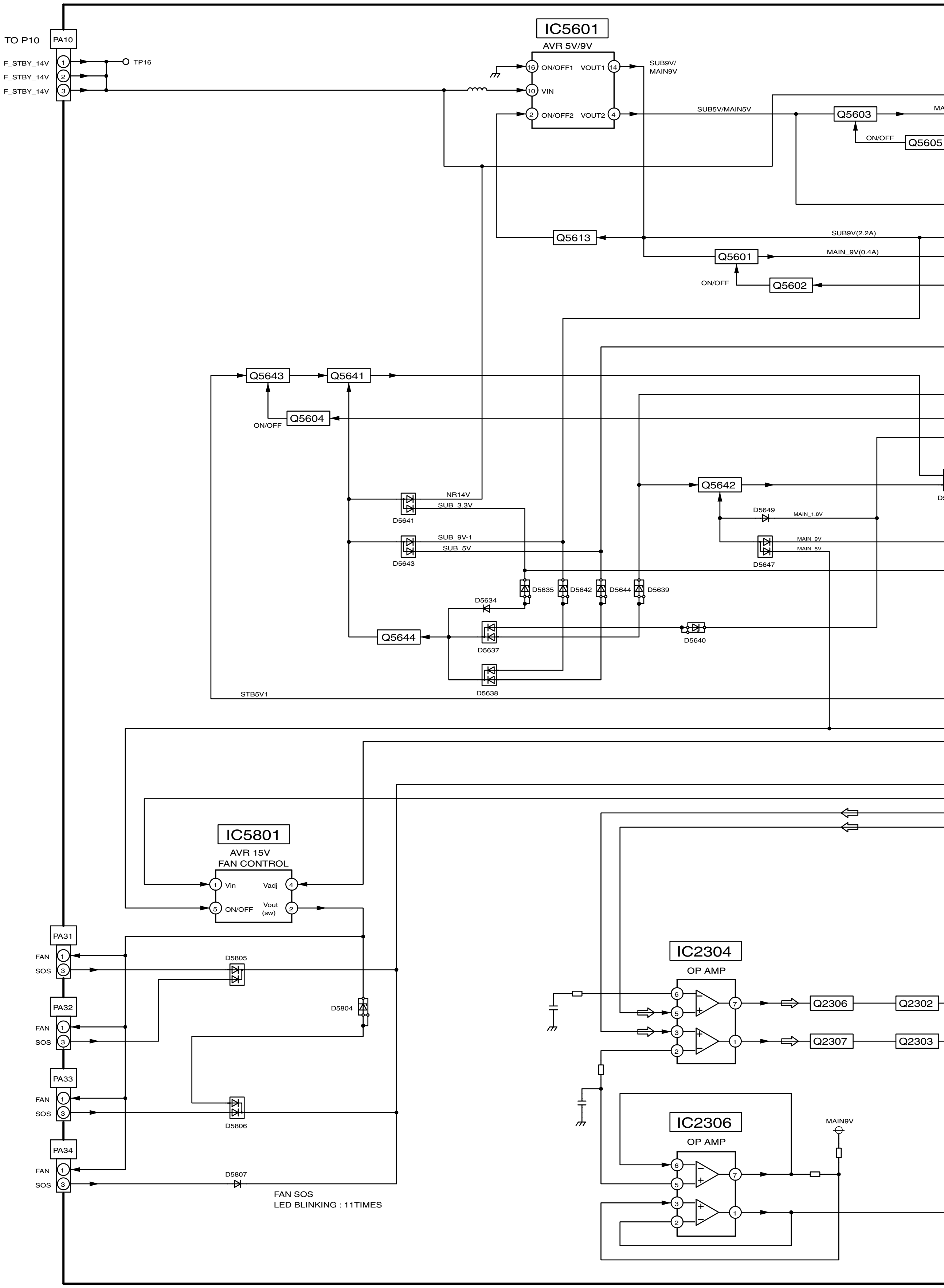

CA
CB
CC
CD
CE
CF
P-BOARD TNPA3911 (6/6)
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623
10
D502
WA5001=5
C662
0.01
C661
0.01
R529
100
R547
100
R553
100
L512
4.7uH
PR505
TF16N5.00
D600
02DZ7.5
IC510
BD9703FP
SWITCHING
REGULATOR
1
2
3
4
5
C658
1.0
R523
47K
C660
2.2
L511
47uH
C558
470u/25V
D599
D1FP3
C559
1200
R569
33K
R559
8.2K


TO
P-BOARD
(4/6)
CG
CH
CI
CJ
CK
CL
IC510
BD9703FP
SWITCHING
REGULATOR
R569
33K
R559
8.2K

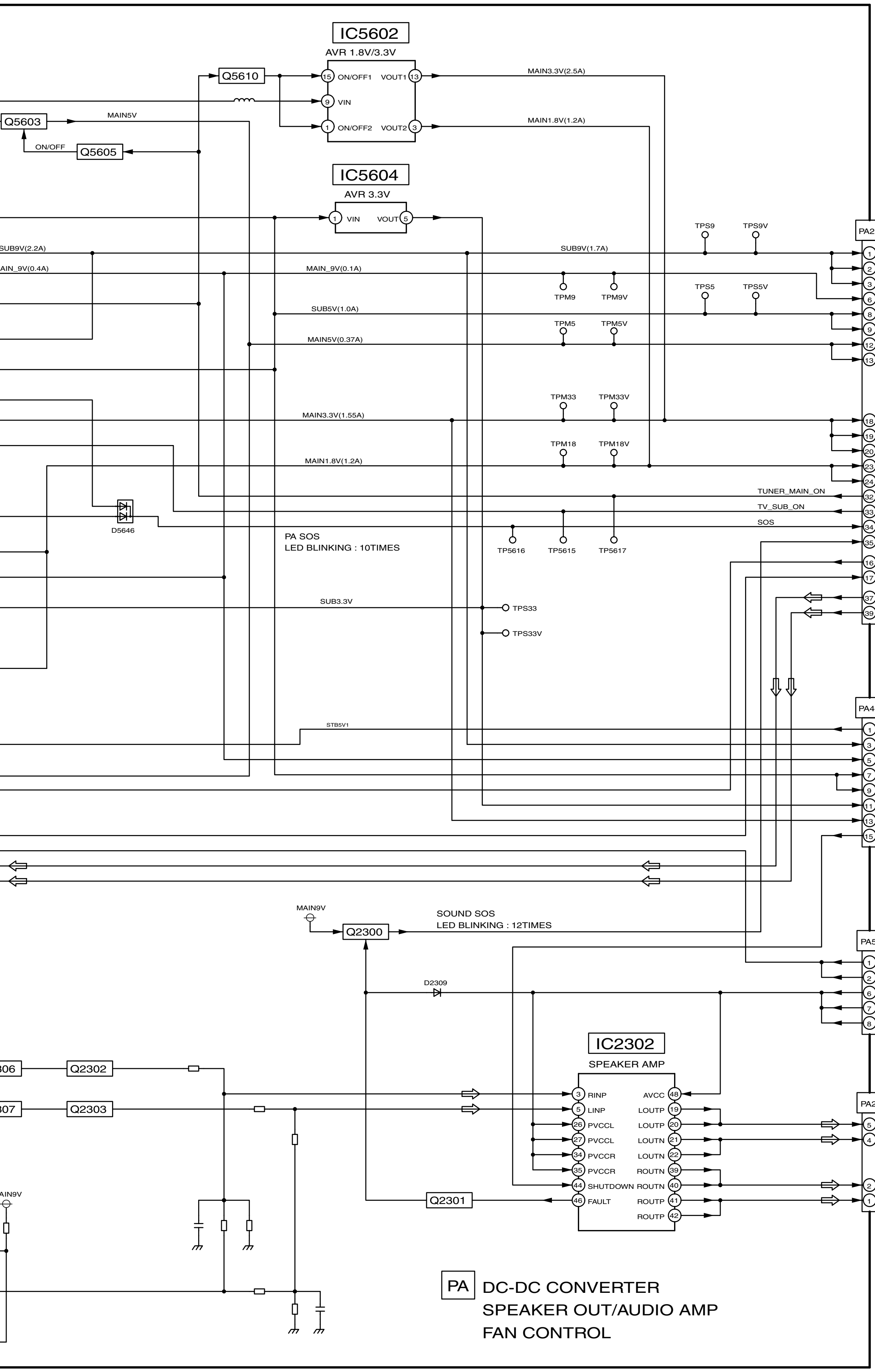
TH-42PV60E, TH-42PX60B
P-Board (6 of 6) Schematic Diagram

14 15 16 17 18

14.18. PA-Board Block Diagram

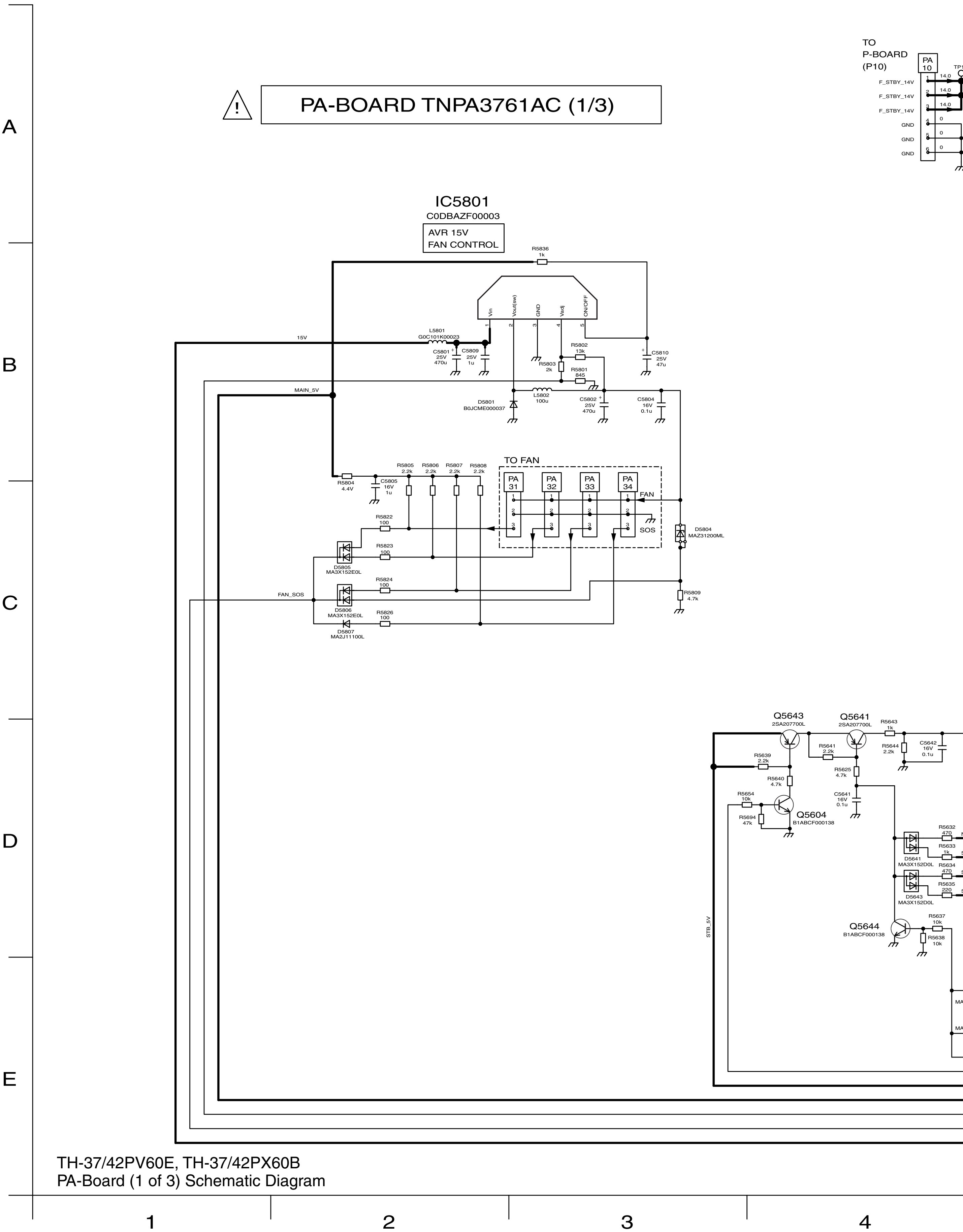

TO P10
PA10
F_STBY_14V
F_STBY_14V
F_STBY_14V
TP16
IC5601
AVR 5V/9V
ON/OFF1
VOUT1
VIN
ON/OFF2
VOUT2
SUB9V/
MAIN9V
SUB5V/MAIN5V
Q5603
ON/OFF
Q5605
Q5613
SUB9V(2.2A)
Q5601
MAIN_9V(0.4A)
ON/OFF
Q5602
Q5643
Q5641
Q5604
ON/OFF
NR14V
SUB_3.3V
D5641
SUB_9V-1
SUB_5V
D5643
Q5642
D5649
MAIN_1.8V
MAIN_9V
MAIN_5V
D5647
D5635
D5642
D5644
D5639
D5634
D5637
D5640
Q5644
D5638
STB5V1
IC5801
AVR 15V
FAN CONTROL
Vin
Vadj
ON/OFF
Vout
(sw)
PA31
FAN
SOS
D5805
PA32
FAN
SOS
D5804
PA33
FAN
SOS
D5806
PA34
FAN
SOS
D5807
FAN SOS
LED BLINKING : 11TIMES
IC2304
OP AMP
Q2306
Q2302
Q2307
Q2303
IC2306
OP AMP
MAIN9V

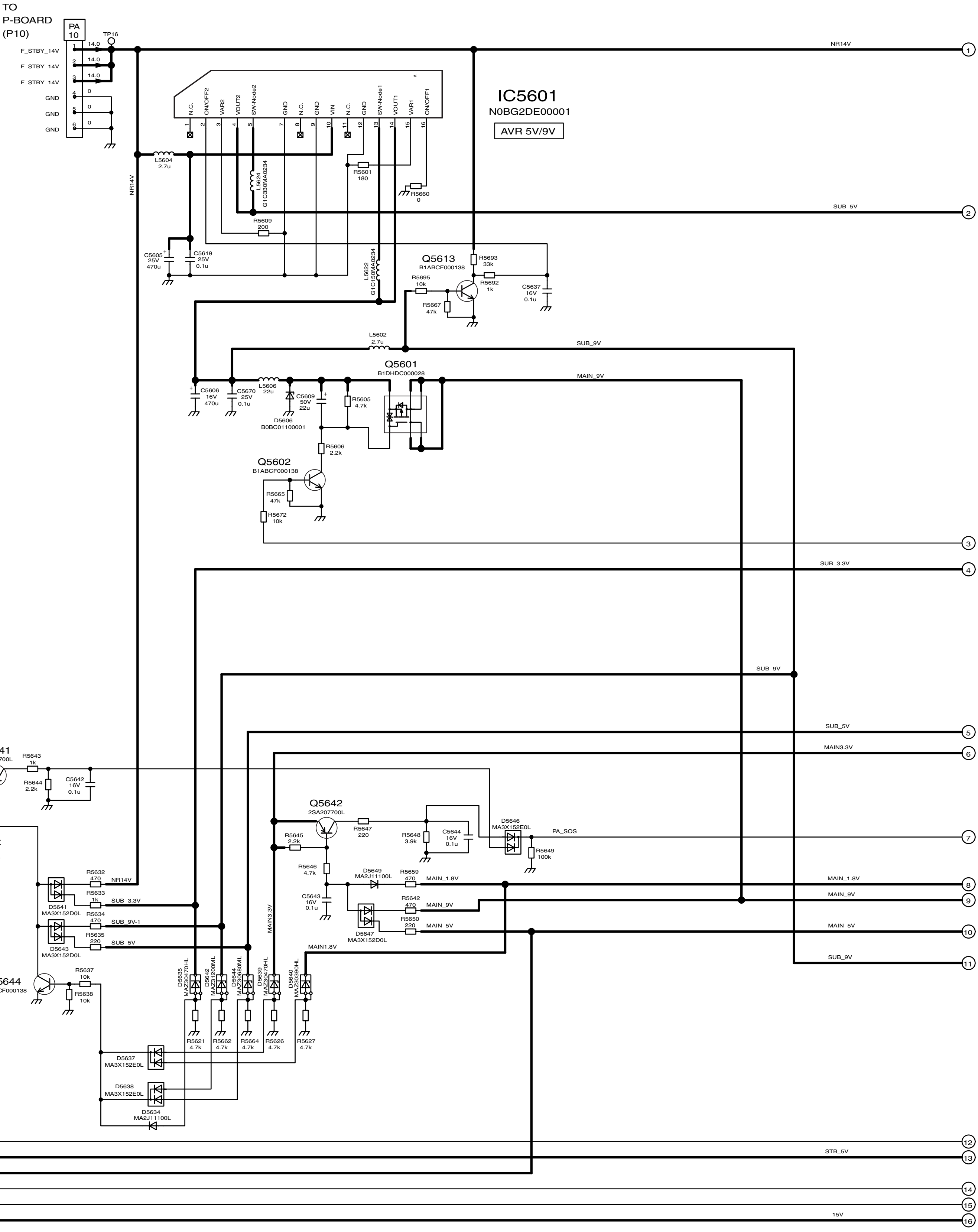
TH-37/42PV60E, TH-37/42PX60B
PA-Board Block Diagram


IC5602
AVR 1.8V/3.3V
Q5610
15 ON/OFF1
VOUT1 13
9 VIN
1 ON/OFF2
VOUT2 3
MAIN3.3V(2.5A)
MAIN1.8V(1.2A)
Q5603
MAIN5V
ON/OFF
Q5605
IC5604
AVR 3.3V
1 VIN
VOUT 5
SUB9V(2.2A)
AIN_9V(0.4A)
MAIN_9V(0.1A)
SUB9V(1.7A)
SUB5V(1.0A)
MAIN5V(0.37A)
MAIN3.3V(1.55A)
MAIN1.8V(1.2A)
TPS9
TPS9V
TPM9
TPM9V
TPS5
TPS5V
TPM5
TPM5V
TPM33
TPM33V
TPM18
TPM18V
D5646
TUNER_MAIN_ON
TV_SUB_ON
SOS
PA SOS
LED BLINKING : 10TIMES
TP5616
TP5615
TP5617
SUB3.3V
TPS33
TPS33V
PA20
TO DG20
1 SUB9V
2 SUB9V
3 SUB9V
6 MAIN9V
8 SUB5V
9 SUB5V
12 MAIN5V
13 MAIN5V
18 MAIN3.3V
19 MAIN3.3V
20 MAIN3.3V
23 MAIN1.8V
24 MAIN1.8V
32 TUNER_MAIN_ON
33 TUNER_SUB_ON
34 PA_SOS
35 SOUND_SOS
16 FAN_CONT
17 FAN_SOS
37 SL
39 SR
STB5V1
PA40
TO H40
1 STB5V
3 SUB9V
5 MAIN9V
7 SUB5VA
9 SUB5VA
11 SUB3.3V
13 MAIN3.3V
15 AMUTE
MAIN9V
Q2300
SOUND SOS
LED BLINKING : 12TIMES
PA5
TO P5
1 +15V
2 +15V
6 +15V
7 +15V
8 +15V
D2309
IC2302
SPEAKER AMP
306
Q2302
307
Q2303
3 RINP
5 LINP
26 PVCCL
27 PVCCL
34 PVCCR
35 PVCCR
44 SHUTDOWN
46 FAULT
AVCC 48
LOUTP 19
LOUTP 20
LOUTN 21
LOUTN 22
ROUTN 39
ROUTN 40
ROUTP 41
ROUTP 42
Q2301
AIN9V
PA2
TO SPEAKER
(W-R & W-L)
5 W_L-
4 W_L+
2 W_R-
1 W_R+
PA
DC-DC CONVERTER
SPEAKER OUT/AUDIO AMP
FAN CONTROL

TH-37/42PV60E, TH-37/42PX60B
PA-Board Block Diagram

14.19. PA-Board (1 of 3) Schematic Diagram

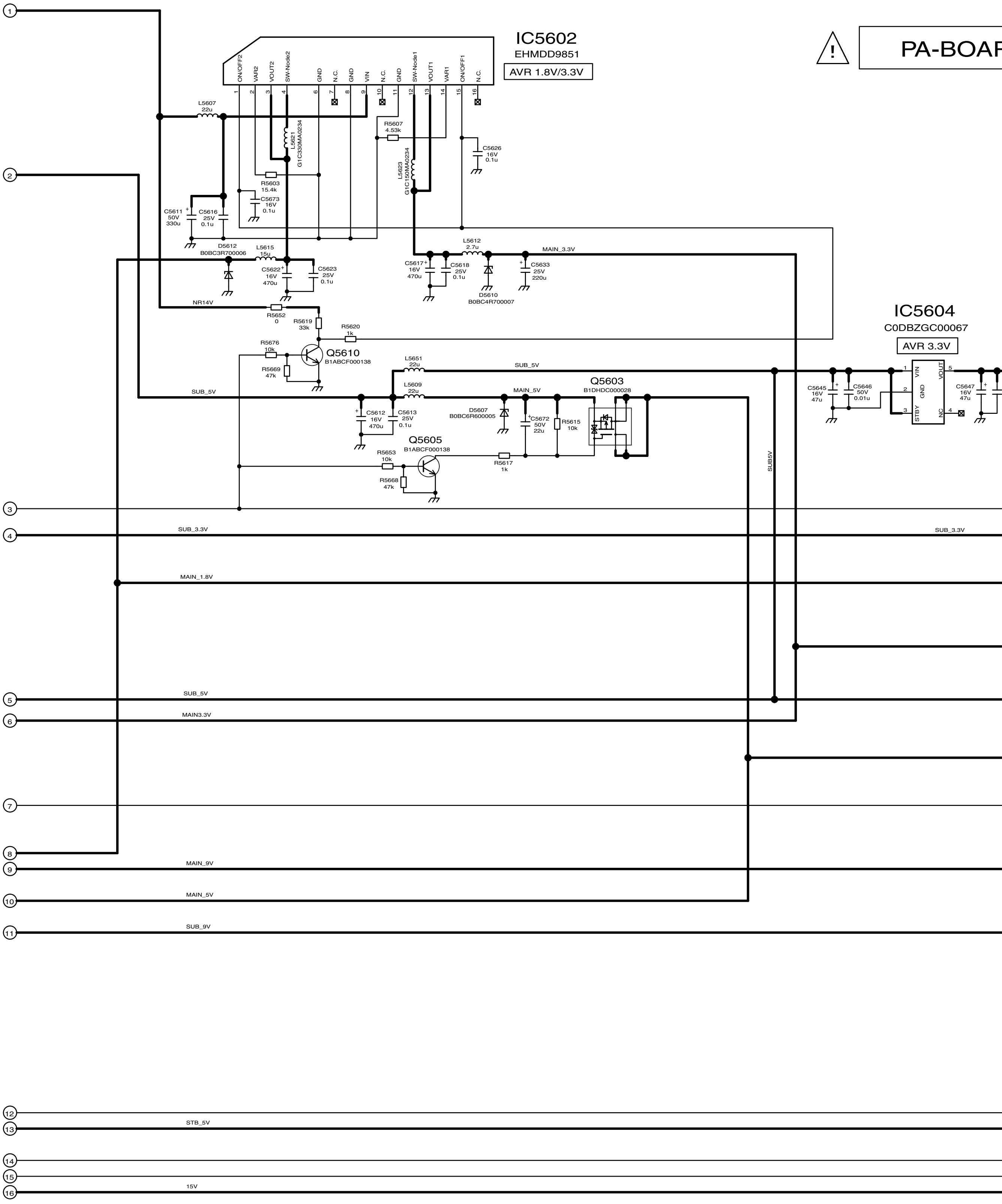

PA-BOARD TNPA3761AC (1/3)
TO P-BOARD (P10)
PA 10
F_STBY_14V
F_STBY_14V
F_STBY_14V
GND
GND
GND
14.0
14.0
14.0
0
0
0
IC5801
C0DBAZF00003
AVR 15V
FAN CONTROL
Vin
Vout(sw)
GND
Vadj
ON/OFF
R5836 1k
L5801 G0C101K00023
15V
C5801 25V 470u
C5809 25V 1u
R5802 13k
R5803 2k
R5801 845
C5810 25V 47u
MAIN_5V
D5801 B0JCME000037
L5802 100u
C5802 25V 470u
C5804 16V 0.1u
TO FAN
PA 31
PA 32
PA 33
PA 34
FAN
SOS
R5804 4.4V
C5805 16V 1u
R5805 2.2k
R5806 2.2k
R5807 2.2k
R5808 2.2k
R5822 100
R5823 100
R5824 100
R5826 100
D5805 MA3X152E0L
D5806 MA3X152E0L
D5807 MA2J11100L
FAN_SOS
D5804 MAZ31200ML
R5809 4.7k
Q5643 2SA207700L
Q5641 2SA207700L
R5643 1k
R5641 2.2k
R5644 2.2k
C5642 16V 0.1u
R5639 2.2k
R5640 4.7k
R5625 4.7k
R5654 10k
R5694 47k
Q5604 B1ABCF000138
C5641 16V 0.1u
R5632 470
R5633 1k
R5634 470
R5635 220
D5641 MA3X152D0L
D5643 MA3X152D0L
Q5644 B1ABCF000138
R5637 10k
R5638 10k
STB_5V
A
B
C
D
E
1
2
3
4


TO
P-BOARD
(P10)
PA
10
TP16
F_STBY_14V
F_STBY_14V
F_STBY_14V
GND
GND
GND
14.0
14.0
14.0
0
0
0
NR14V
IC5601
N0BG2DE00001
AVR 5V/9V
N.C.
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
N.C.
GND
VIN
N.C.
GND
SW-Node1
VOUT1
VAR1
ON/OFF1
L5604
2.7u
L5624
G1C330MA0234
R5601
180
R5660
0
R5609
200
C5605
25V
470u
C5619
25V
0.1u
L5622
G1C150MA0234
Q5613
B1ABCF000138
R5693
33k
R5695
10k
R5692
1k
R5667
47k
C5637
16V
0.1u
SUB_5V
L5602
2.7u
SUB_9V
Q5601
B1DHDC000028
MAIN_9V
C5606
16V
470u
C5670
25V
0.1u
L5606
22u
C5609
50V
22u
R5605
4.7k
D5606
B0BC01100001
R5606
2.2k
Q5602
B1ABCF000138
R5665
47k
R5672
10k
SUB_3.3V
SUB_9V
SUB_5V
MAIN3.3V
R5643
1k
R5644
2.2k
C5642
16V
0.1u
Q5642
2SA207700L
R5647
220
R5645
2.2k
R5648
3.9k
C5644
16V
0.1u
D5646
MA3X152E0L
PA_SOS
R5649
100k
R5646
4.7k
D5649
MA2J11100L
R5659
470
MAIN_1.8V
C5643
16V
0.1u
R5642
470
MAIN_9V
R5650
220
MAIN_5V
D5647
MA3X152D0L
MAIN1.8V
MAIN3.3V
R5632
470
NR14V
R5633
1k
SUB_3.3V
R5634
470
SUB_9V-1
R5635
220
SUB_5V
D5641
MA3X152D0L
D5643
MA3X152D0L
Q5644
R5637
10k
R5638
10k
D5635
MAZ30470HL
D5642
MAZ31200ML
D5644
MAZ30680ML
D5639
MAZ30470HL
D5640
MAZ30390HL
R5621
4.7k
R5662
4.7k
R5664
4.7k
R5626
4.7k
R5627
4.7k
D5637
MA3X152E0L
D5638
MA3X152E0L
D5634
MA2J11100L
MAIN_1.8V
MAIN_9V
MAIN_5V
SUB_9V
STB_5V
15V
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯

TH-37/42PV60E, TH-37/42PX60B
PA-Board (1 of 3) Schematic Diagram

4 5 6 7 8

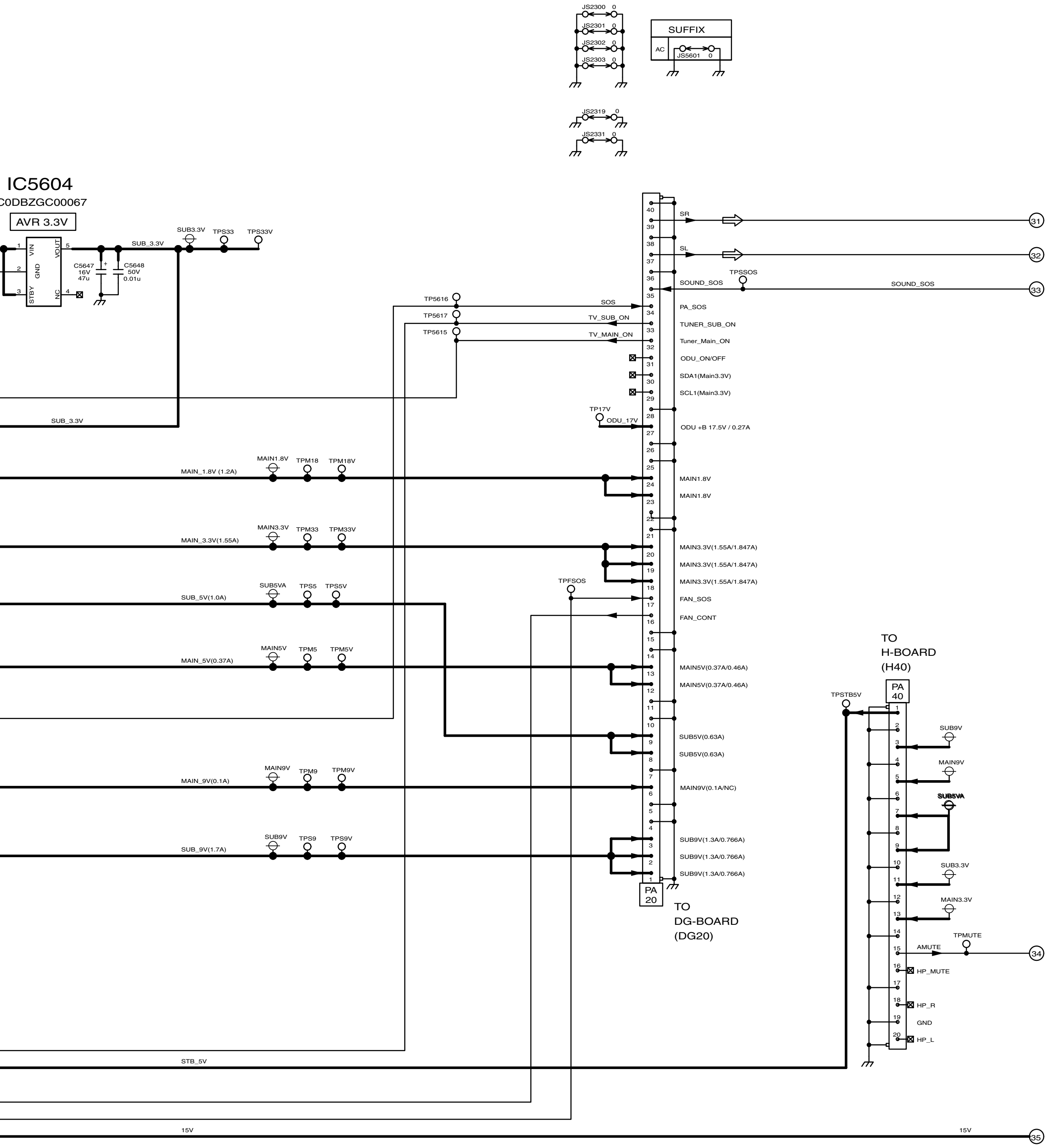
14.20. PA-Board (2 of 3) Schematic Diagram


IC5602
EHMDD9851
AVR 1.8V/3.3V
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
N.C.
GND
VIN
N.C.
GND
SW-Node1
VOUT1
VAR1
ON/OFF1
N.C.
1
2
3
4
6
7
8
9
10
11
12
13
14
15
16
PA-BOAR
L5607
22u
L5621
G1C330MA0234
R5607
4.53k
L5623
G1C150MA0234
C5626
16V
0.1u
R5603
15.4k
C5673
16V
0.1u
C5611
50V
330u
C5616
25V
0.1u
D5612
B0BC3R700006
L5615
15u
C5622
16V
470u
C5623
25V
0.1u
L5612
2.7u
MAIN_3.3V
C5617
16V
470u
C5618
25V
0.1u
C5633
25V
220u
D5610
B0BC4R700007
NR14V
R5652
0
R5619
33k
R5620
1k
R5676
10k
Q5610
B1ABCF000138
R5669
47k
L5651
22u
SUB_5V
L5609
22u
MAIN_5V
Q5603
B1DHDC000028
SUB_5V
C5612
16V
470u
C5613
25V
0.1u
D5607
B0BC6R600005
C5672
50V
22u
R5615
10k
Q5605
B1ABCF000138
R5653
10k
R5617
1k
R5668
47k
SUB5V
IC5604
C0DBZGC00067
AVR 3.3V
C5645
16V
47u
C5646
50V
0.01u
VIN
GND
STBY
VOUT
NC
C5647
16V
47u
SUB_3.3V
MAIN_1.8V
SUB_3.3V
SUB_5V
MAIN3.3V
MAIN_9V
MAIN_5V
SUB_9V
STB_5V
15V
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

TH-37/42PV60E, TH-37/42PX60B
PA-Board (2 of 3) Schematic Diagram

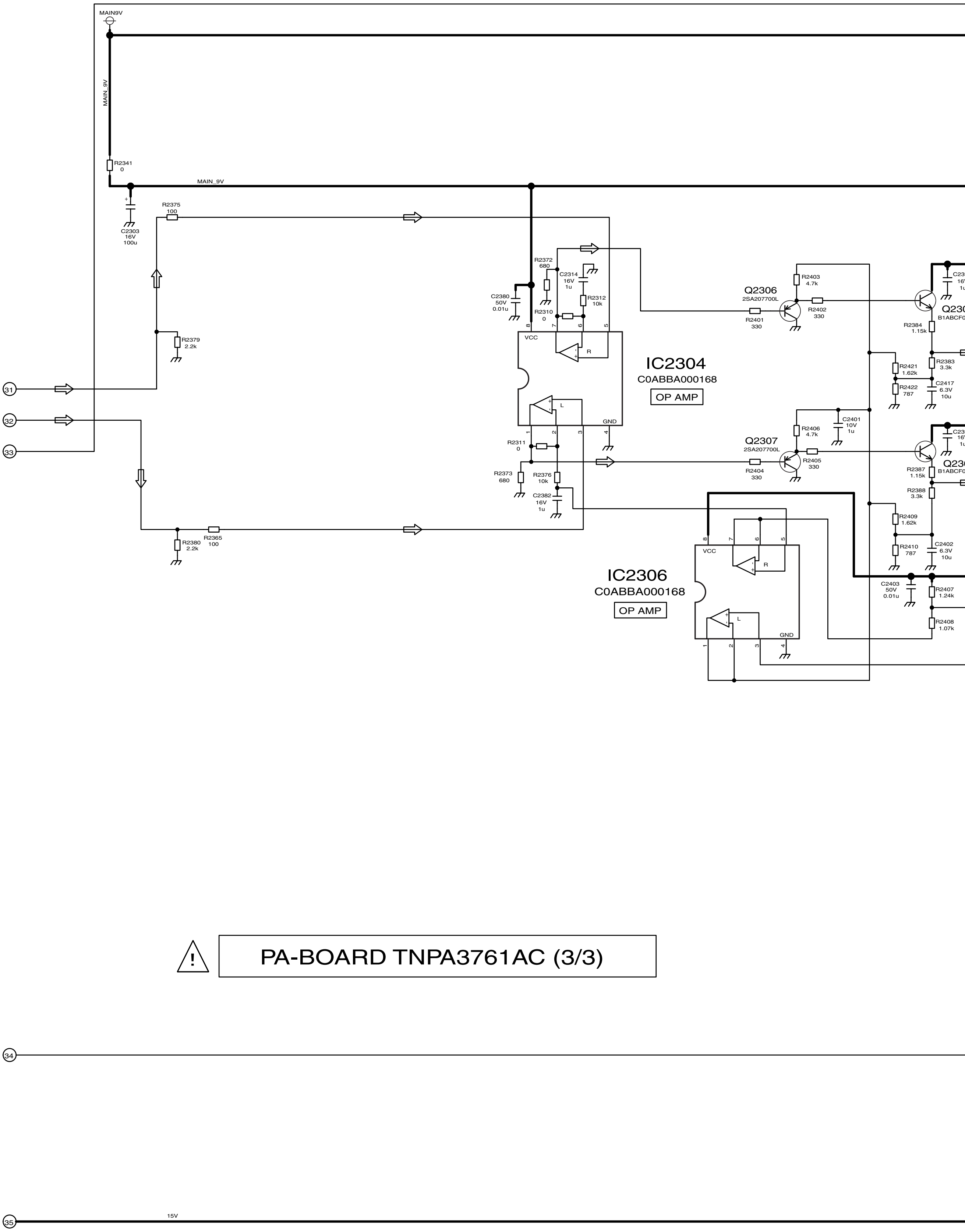
8 9 10 11 12

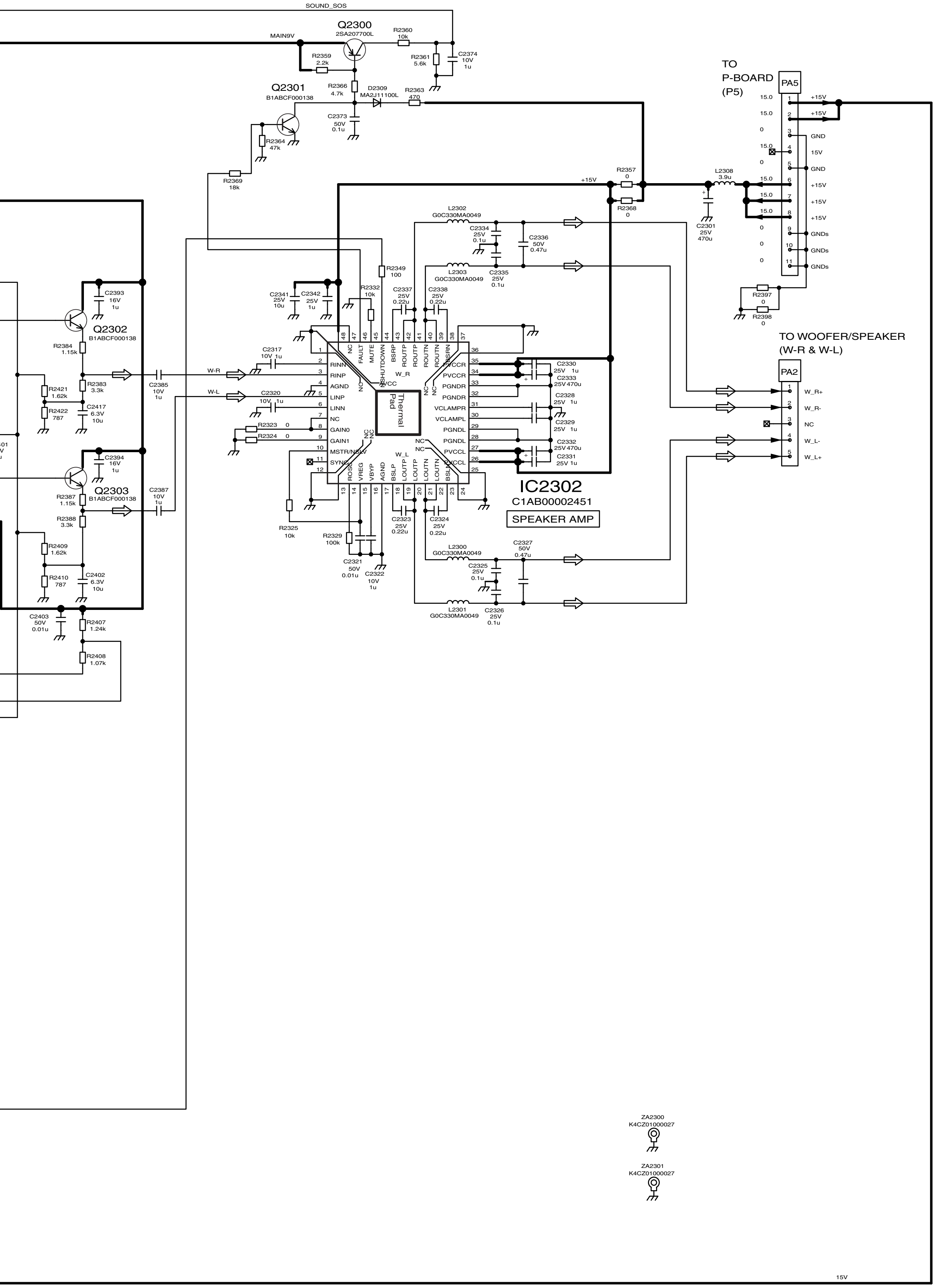
PA-BOARD TNPA3761AC (2/3)


JS2300 0
JS2301 0
JS2302 0
JS2303 0
SUFFIX
AC
JS5601 0
JS2319 0
JS2331 0
IC5604
C0DBZGC00067
AVR 3.3V
VIN
GND
STBY
VOUT
NC
C5647 16V 47u
C5648 50V 0.01u
SUB_3.3V
SUB3.3V
TPS33
TPS33V
TP5616
TP5617
TP5615
SOS
TV_SUB_ON
TV_MAIN_ON
TP17V
ODU_17V
MAIN1.8V
TPM18
TPM18V
MAIN_1.8V (1.2A)
MAIN3.3V
TPM33
TPM33V
MAIN_3.3V(1.55A)
SUB5VA
TPS5
TPS5V
SUB_5V(1.0A)
TPFSOS
MAIN5V
TPM5
TPM5V
MAIN_5V(0.37A)
MAIN9V
TPM9
TPM9V
MAIN_9V(0.1A)
SUB9V
TPS9
TPS9V
SUB_9V(1.7A)
STB_5V
15V
SR
SL
SOUND_SOS
TPSSOS
PA_SOS
TUNER_SUB_ON
Tuner_Main_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
ODU +B 17.5V / 0.27A
MAIN1.8V
MAIN1.8V
MAIN3.3V(1.55A/1.847A)
MAIN3.3V(1.55A/1.847A)
MAIN3.3V(1.55A/1.847A)
FAN_SOS
FAN_CONT
MAIN5V(0.37A/0.46A)
MAIN5V(0.37A/0.46A)
SUB5V(0.63A)
SUB5V(0.63A)
MAIN9V(0.1A/NC)
SUB9V(1.3A/0.766A)
SUB9V(1.3A/0.766A)
SUB9V(1.3A/0.766A)
PA 20
TO DG-BOARD (DG20)
TO H-BOARD (H40)
PA 40
TPSTB5V
SUB9V
MAIN9V
SUB5VA
SUB3.3V
MAIN3.3V
TPMUTE
AMUTE
HP_MUTE
HP_R
GND
HP_L
31
32
33
34
35

TH-37/42PV60E, TH-37/42PX60B
PA-Board (2 of 3) Schematic Diagram

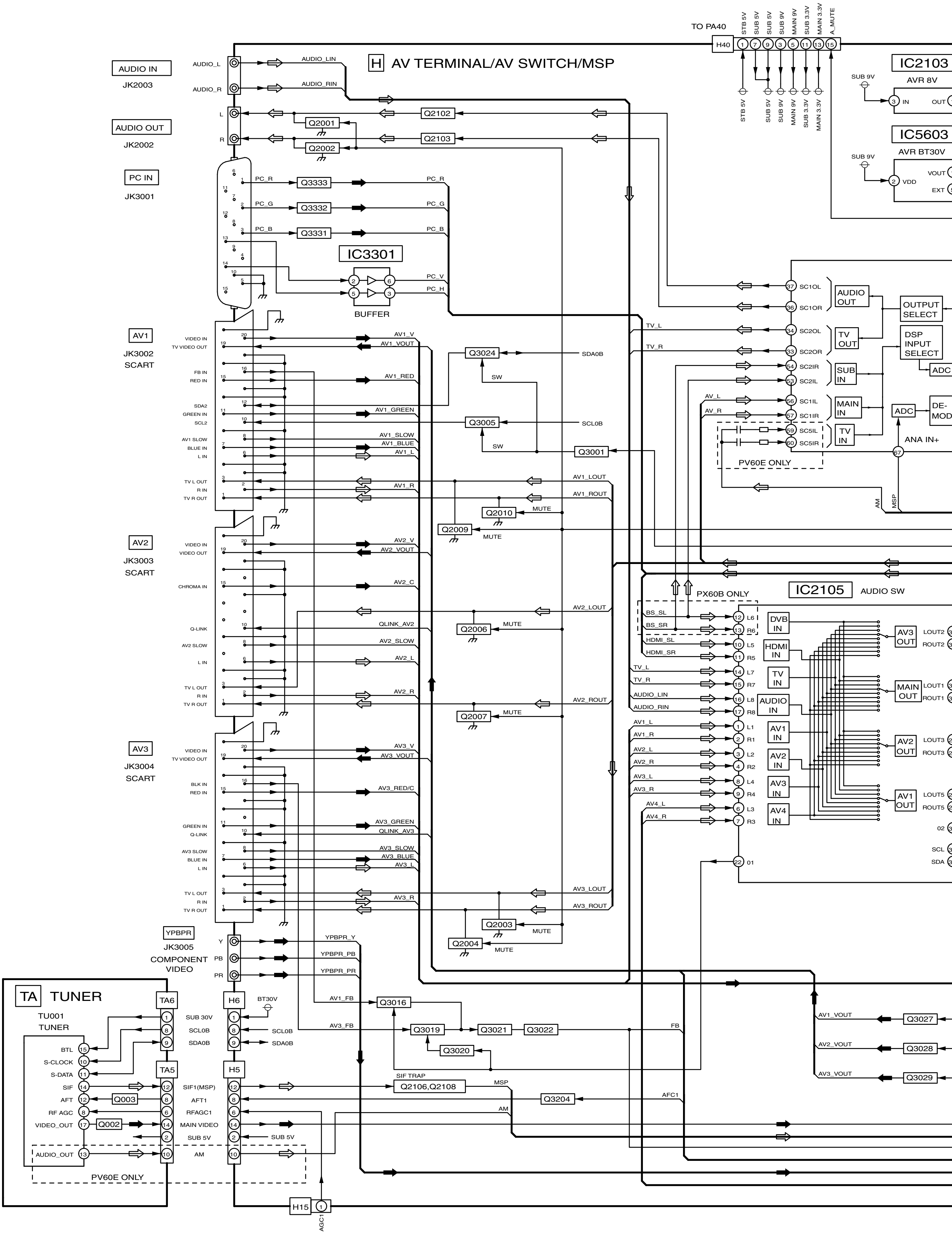
14.21. PA-Board (3 of 3) Schematic Diagram


MAIN9V
MAIN_9V
R2341
0
MAIN_9V
C2303
16V
100u
R2375
100
R2379
2.2k
31
32
33
R2380
2.2k
R2365
100
R2372
680
C2314
16V
1u
R2312
10k
C2380
50V
0.01u
R2310
0
8
7
6
5
VCC
R
L
GND
1
2
3
4
IC2304
C0ABBA000168
OP AMP
R2311
0
R2373
680
R2376
10k
C2382
16V
1u
Q2306
2SA207700L
R2401
330
R2403
4.7k
R2402
330
B1ABCF0
R2384
1.15k
R2383
3.3k
R2421
1.62k
R2422
787
C2417
6.3V
10u
Q2307
2SA207700L
R2404
330
R2406
4.7k
C2401
10V
1u
R2405
330
R2387
1.15k
R2388
3.3k
R2409
1.62k
R2410
787
C2402
6.3V
10u
IC2306
C0ABBA000168
OP AMP
C2403
50V
0.01u
R2407
1.24k
R2408
1.07k
PA-BOARD TNPA3761AC (3/3)
34
35
15V

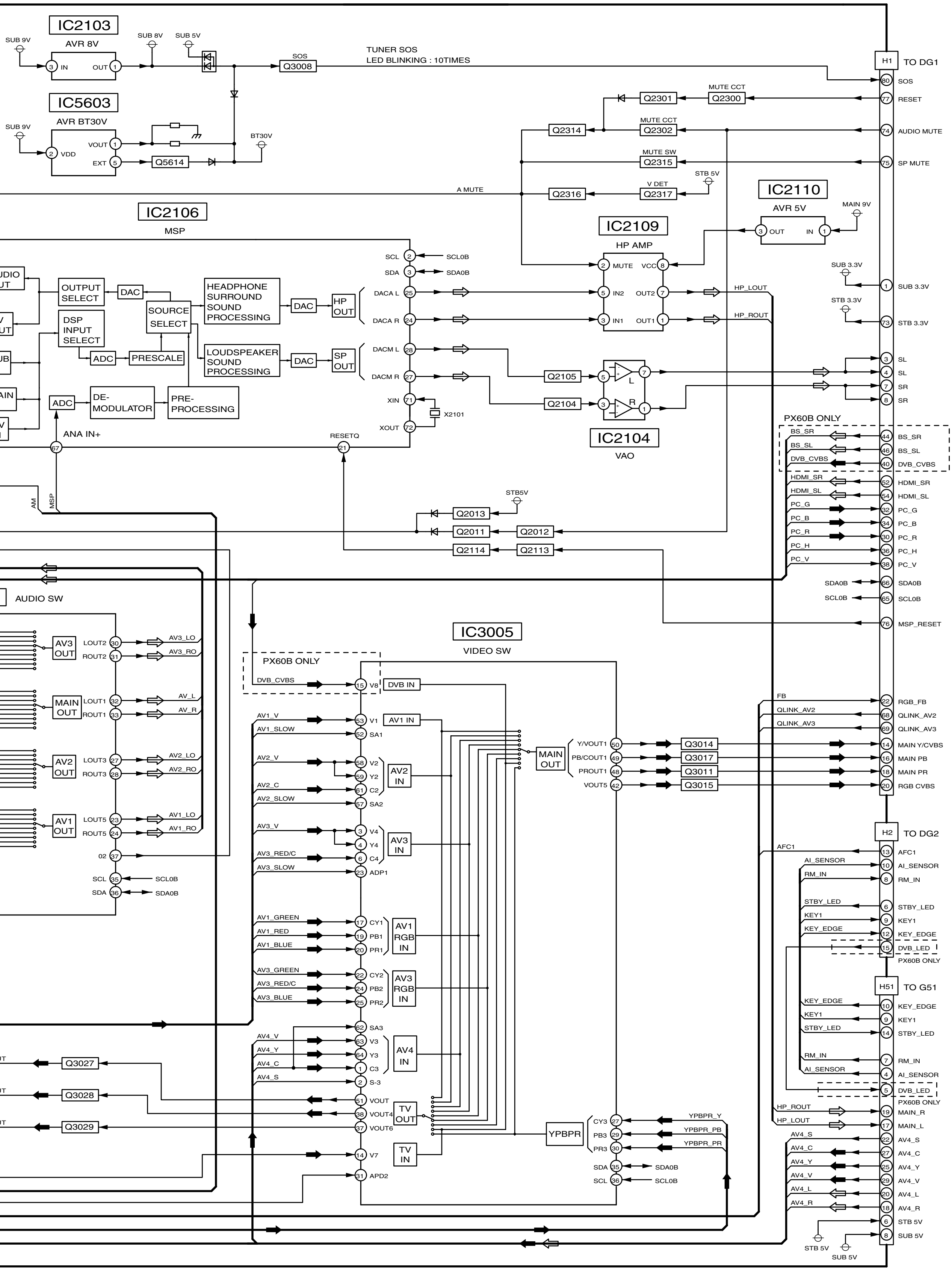

SOUND_SOS
MAIN9V
Q2300
2SA207700L
R2360 10k
R2359 2.2k
R2361 5.6k
C2374 10V 1u
Q2301
B1ABCF000138
R2366 4.7k
D2309 MA2J11100L
R2363 470
C2373 50V 0.1u
R2364 47k
R2369 18k
+15V
R2357 0
R2368 0
L2308 3.9u
C2301 25V 470u
TO P-BOARD (P5)
PA5
15.0
0
+15V
GND
15V
GNDs
R2397 0
R2398 0
TO WOOFER/SPEAKER (W-R & W-L)
PA2
W_R+
W_R-
NC
W_L-
W_L+
L2302 G0C330MA0049
C2334 25V 0.1u
C2336 50V 0.47u
L2303 G0C330MA0049
C2335 25V 0.1u
R2349 100
R2332 10k
C2337 25V 0.22u
C2338 25V 0.22u
C2341 25V 10u
C2342 25V 1u
C2317 10V 1u
C2320 10V 1u
R2323 0
R2324 0
W-R
W-L
RINN
RINP
AGND
LINP
LINN
NC
GAIN0
GAIN1
MSTR/SLV
SYNC
SHUTDOWN
FAULT
MUTE
BSRP
ROUTP
ROUTN
BSRN
PVCCR
PGNDR
VCLAMPR
VCLAMPL
PGNDL
PVCCL
BSLN
LOUTN
LOUTP
BSLP
AGND
VBYP
VREG
ROSC
AVCC
W_R
W_L
Thermal Pad
C2330 25V 1u
C2333 25V 470u
C2328 25V 1u
C2329 25V 1u
C2332 25V 470u
C2331 25V 1u
IC2302
C1AB00002451
SPEAKER AMP
C2323 25V 0.22u
C2324 25V 0.22u
R2325 10k
R2329 100k
C2321 50V 0.01u
C2322 10V 1u
L2300 G0C330MA0049
C2327 50V 0.47u
C2325 25V 0.1u
L2301 G0C330MA0049
C2326 25V 0.1u
C2393 16V 1u
Q2302 B1ABCF000138
R2384 1.15k
R2383 3.3k
R2421 1.62k
R2422 787
C2417 6.3V 10u
C2385 10V 1u
C2394 16V 1u
Q2303 B1ABCF000138
R2387 1.15k
C2387 10V 1u
R2388 3.3k
R2409 1.62k
R2410 787
C2402 6.3V 10u
C2403 50V 0.01u
R2407 1.24k
R2408 1.07k
ZA2300 K4CZ01000027
ZA2301 K4CZ01000027
15V
9
20
21
22
23

TH-37/42PV60E, TH-37/42PX60B
PA-Board (3 of 3) Schematic Diagram

14.22. H and TA-Board Block Diagram

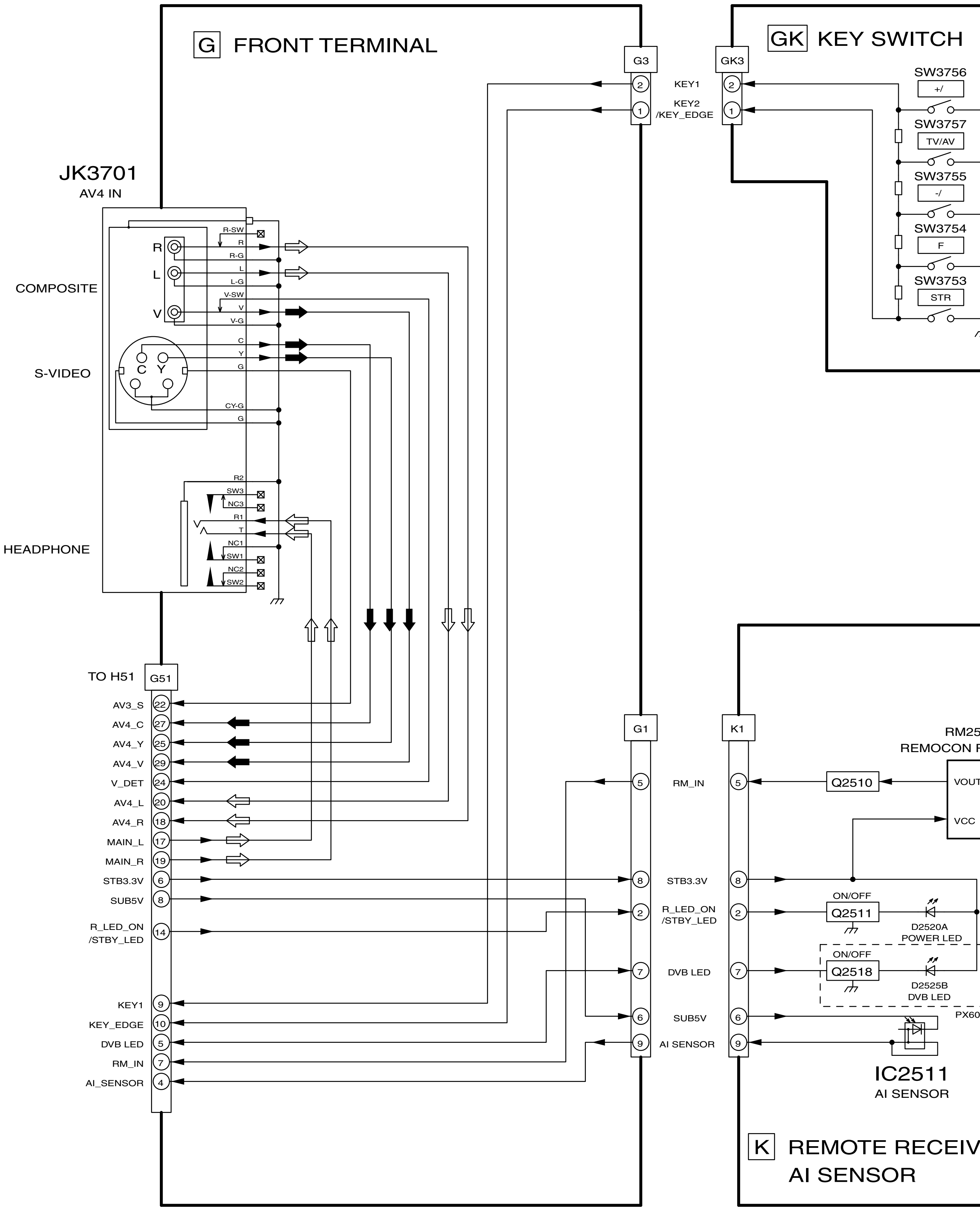

H
AV TERMINAL/AV SWITCH/MSP
TO PA40
H40
STB 5V
SUB 5V
SUB 9V
MAIN 9V
SUB 3.3V
MAIN 3.3V
A_MUTE
IC2103
AVR 8V
IC5603
AVR BT30V
SUB 9V
IN
OUT
VDD
VOUT
EXT
AUDIO IN
JK2003
AUDIO_L
AUDIO_R
AUDIO_LIN
AUDIO_RIN
AUDIO OUT
JK2002
L
R
Q2001
Q2002
Q2102
Q2103
PC IN
JK3001
PC_R
PC_G
PC_B
Q3333
Q3332
Q3331
IC3301
PC_V
PC_H
BUFFER
AV1
JK3002
SCART
VIDEO IN
TV VIDEO OUT
FB IN
RED IN
SDA2
GREEN IN
SCL2
AV1 SLOW
BLUE IN
L IN
TV L OUT
R IN
TV R OUT
AV1_V
AV1_VOUT
AV1_RED
AV1_GREEN
AV1_SLOW
AV1_BLUE
AV1_L
AV1_R
Q3024
SDA0B
SW
Q3005
SCL0B
Q3001
AV1_LOUT
AV1_ROUT
Q2010
MUTE
Q2009
AV2
JK3003
SCART
CHROMA IN
Q-LINK
AV2 SLOW
AV2_V
AV2_VOUT
AV2_C
QLINK_AV2
AV2_SLOW
AV2_L
AV2_R
AV2_LOUT
AV2_ROUT
Q2006
Q2007
AV3
JK3004
SCART
BLK IN
AV3 SLOW
AV3_V
AV3_VOUT
AV3_RED/C
AV3_GREEN
QLINK_AV3
AV3_SLOW
AV3_BLUE
AV3_L
AV3_R
AV3_LOUT
AV3_ROUT
Q2003
Q2004
YPBPR
JK3005
COMPONENT VIDEO
Y
PB
PR
YPBPR_Y
YPBPR_PB
YPBPR_PR
SC1OL
SC1OR
SC2OL
SC2OR
SC2IR
SC2IL
SC1IL
SC1IR
SC5IL
SC5IR
AUDIO OUT
TV OUT
SUB IN
MAIN IN
TV IN
OUTPUT SELECT
DSP INPUT SELECT
ADC
DE-MOD
ANA IN+
PV60E ONLY
TV_L
TV_R
AV_L
AV_R
AM
MSP
PX60B ONLY
IC2105
AUDIO SW
BS_SL
BS_SR
HDMI_SL
HDMI_SR
AUDIO_LIN
AUDIO_RIN
AV1_L
AV1_R
AV4_L
AV4_R
L6
R6
L5
R5
L7
R7
L8
R8
L1
R1
L2
R2
L4
R4
L3
R3
01
02
DVB IN
HDMI IN
TV IN
AUDIO IN
AV1 IN
AV2 IN
AV3 IN
AV4 IN
AV3 OUT
MAIN OUT
AV2 OUT
AV1 OUT
LOUT2
ROUT2
LOUT1
ROUT1
LOUT3
ROUT3
LOUT5
ROUT5
SCL
SDA
TA
TUNER
TU001
TUNER
BTL
S-CLOCK
S-DATA
SIF
AFT
RF AGC
VIDEO_OUT
AUDIO_OUT
Q003
Q002
PV60E ONLY
TA6
TA5
H6
H5
SUB 30V
SCL0B
SDA0B
BT30V
SIF1(MSP)
AFT1
RFAGC1
MAIN VIDEO
SUB 5V
AM
AV1_FB
AV3_FB
Q3016
Q3019
Q3021
Q3022
Q3020
FB
SIF TRAP
Q2106,Q2108
MSP
Q3204
AFC1
AV1_VOUT
AV2_VOUT
AV3_VOUT
Q3027
Q3028
Q3029
H15
AGC1

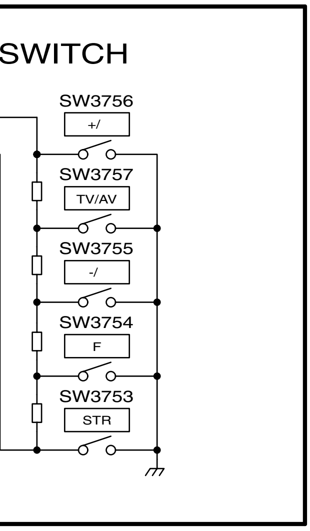
TH-37/42PV60E, TH-37/42PX60B
H and TA-Board Block Diagram

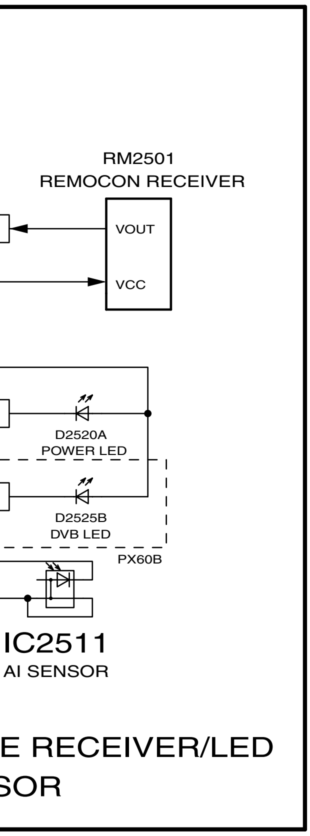

IC2103
AVR 8V
SUB 9V
IN
OUT
SUB 8V
SUB 5V
SOS
Q3008
TUNER SOS
LED BLINKING : 10TIMES
IC5603
AVR BT30V
VDD
VOUT
EXT
Q5614
BT30V
H1
TO DG1
SOS
RESET
AUDIO MUTE
SP MUTE
MUTE CCT
Q2301
Q2300
Q2314
Q2302
MUTE SW
Q2315
STB 5V
A MUTE
Q2316
V DET
Q2317
IC2110
AVR 5V
MAIN 9V
IC2106
MSP
IC2109
HP AMP
MUTE
VCC
SCL
SDA
SCL0B
SDA0B
OUTPUT SELECT
DAC
SOURCE SELECT
HEADPHONE SURROUND SOUND PROCESSING
HP OUT
DACA L
DACA R
IN2
IN1
OUT2
OUT1
HP_LOUT
HP_ROUT
SUB 3.3V
STB 3.3V
DSP INPUT SELECT
ADC
PRESCALE
LOUDSPEAKER SOUND PROCESSING
SP OUT
DACM L
DACM R
Q2105
Q2104
SL
SR
XIN
XOUT
X2101
DE-MODULATOR
PRE-PROCESSING
ANA IN+
RESETQ
IC2104
VAO
PX60B ONLY
BS_SR
BS_SL
DVB_CVBS
HDMI_SR
HDMI_SL
PC_G
PC_B
PC_R
PC_H
PC_V
AM
MSP
STB5V
Q2013
Q2011
Q2012
Q2114
Q2113
SDA0B
SCL0B
MSP_RESET
AUDIO SW
IC3005
VIDEO SW
AV3 OUT
LOUT2
ROUT2
AV3_LO
AV3_RO
MAIN OUT
LOUT1
ROUT1
AV_L
AV_R
AV2 OUT
LOUT3
ROUT3
AV2_LO
AV2_RO
AV1 OUT
LOUT5
ROUT5
AV1_LO
AV1_RO
02
SCL
SDA
PX60B ONLY
DVB_CVBS
V8
DVB IN
AV1_V
AV1_SLOW
V1
SA1
AV1 IN
AV2_V
V2
Y2
AV2_C
C2
AV2_SLOW
SA2
AV2 IN
AV3_V
V4
Y4
AV3_RED/C
C4
AV3_SLOW
ADP1
AV3 IN
MAIN OUT
Y/VOUT1
PB/COUT1
PROUT1
VOUT5
Q3014
Q3017
Q3011
Q3015
FB
QLINK_AV2
QLINK_AV3
RGB_FB
MAIN Y/CVBS
MAIN PB
MAIN PR
RGB CVBS
H2
TO DG2
AFC1
AI_SENSOR
RM_IN
STBY_LED
KEY1
KEY_EDGE
DVB_LED
AV1_GREEN
AV1_RED
AV1_BLUE
CY1
PB1
PR1
AV1 RGB IN
AV3_GREEN
AV3_RED/C
AV3_BLUE
CY2
PB2
PR2
AV3 RGB IN
H51
TO G51
SA3
AV4_V
AV4_Y
AV4_C
AV4_S
V3
Y3
C3
S-3
AV4 IN
Q3027
Q3028
Q3029
VOUT
VOUT4
VOUT6
TV OUT
YPBPR
CY3
PB3
PR3
YPBPR_Y
YPBPR_PB
YPBPR_PR
HP_ROUT
HP_LOUT
MAIN_R
MAIN_L
AV4_S
AV4_C
AV4_Y
AV4_V
AV4_L
AV4_R
V7
TV IN
APD2
SDA
SCL
STB 5V
SUB 5V

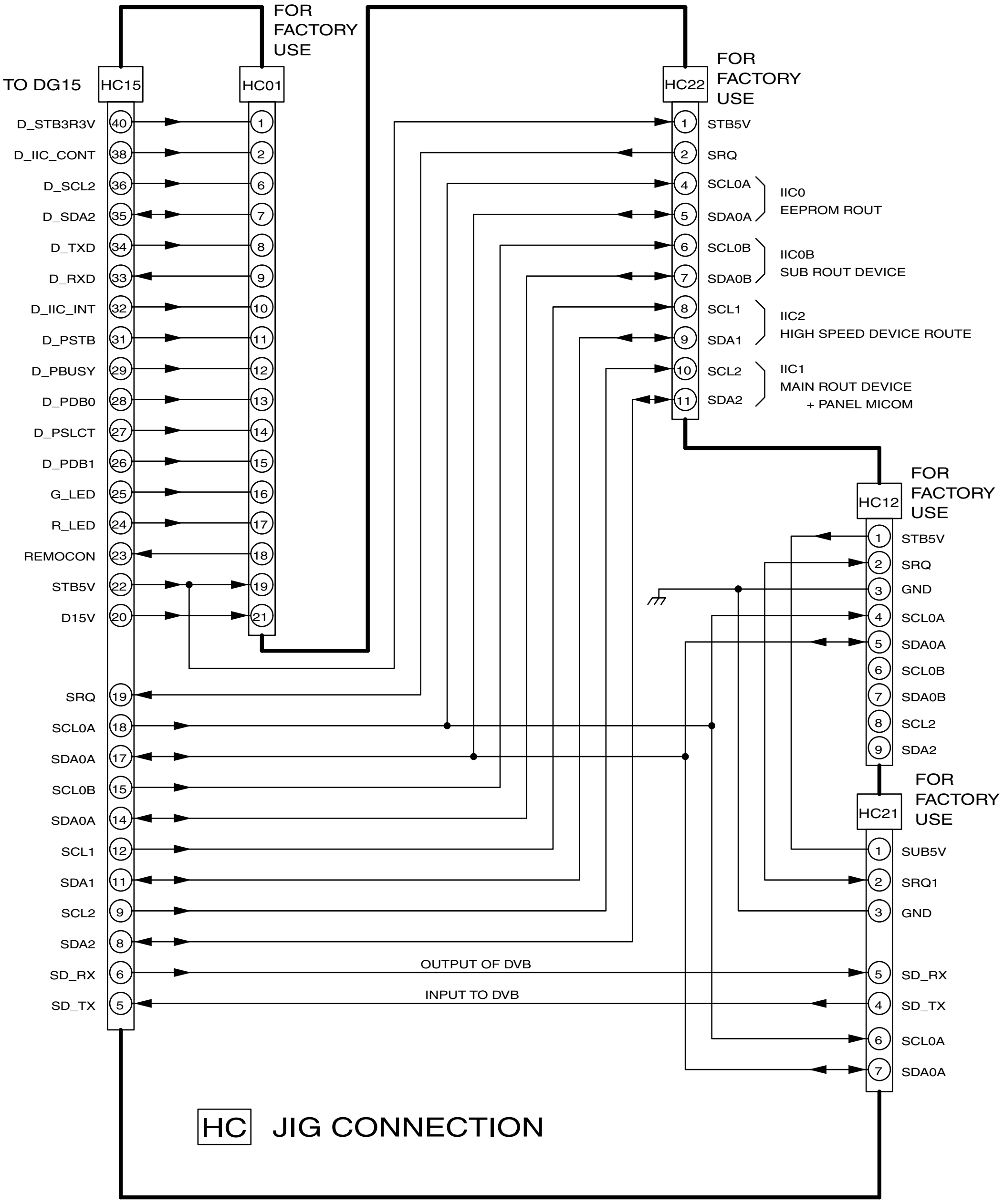
TH-37/42PV60E, TH-37/42PX60B
H and TA-Board Block Diagram

14.23. G, GK, HC and K-Board Block Diagram

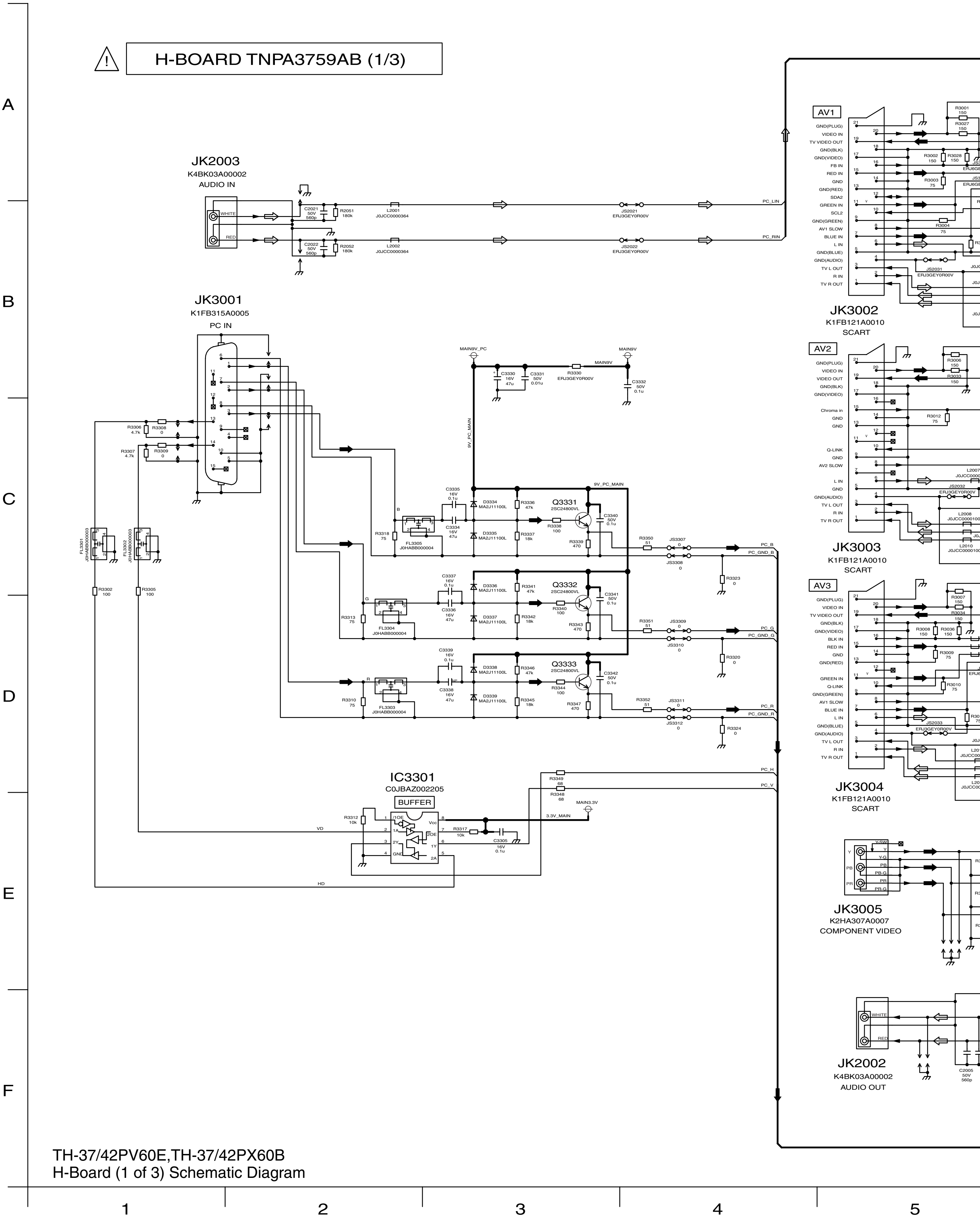

G FRONT TERMINAL
GK KEY SWITCH
G3
GK3
KEY1
KEY2
/KEY_EDGE
SW3756
+/
SW3757
TV/AV
SW3755
-/
SW3754
F
SW3753
STR
JK3701
AV4 IN
COMPOSITE
S-VIDEO
HEADPHONE
R
L
V
C
Y
R-SW
R-G
L-G
V-SW
V-G
G
CY-G
R2
SW3
NC3
R1
T
NC1
SW1
NC2
SW2
TO H51
G51
AV3_S
AV4_C
AV4_Y
AV4_V
V_DET
AV4_L
AV4_R
MAIN_L
MAIN_R
STB3.3V
SUB5V
R_LED_ON
/STBY_LED
KEY1
KEY_EDGE
DVB LED
RM_IN
AI_SENSOR
G1
K1
RM_IN
STB3.3V
R_LED_ON
/STBY_LED
DVB LED
SUB5V
AI SENSOR
RM25
REMOCON R
VOUT
VCC
Q2510
ON/OFF
Q2511
D2520A
POWER LED
ON/OFF
Q2518
D2525B
DVB LED
PX60
IC2511
AI SENSOR
K REMOTE RECEIV
AI SENSOR


SWITCH
SW3756
+/
SW3757
TV/AV
SW3755
-/
SW3754
F
SW3753
STR


RM2501
REMOCON RECEIVER
VOUT
VCC
D2520A
POWER LED
D2525B
DVB LED
PX60B
IC2511
AI SENSOR
E RECEIVER/LED
SOR

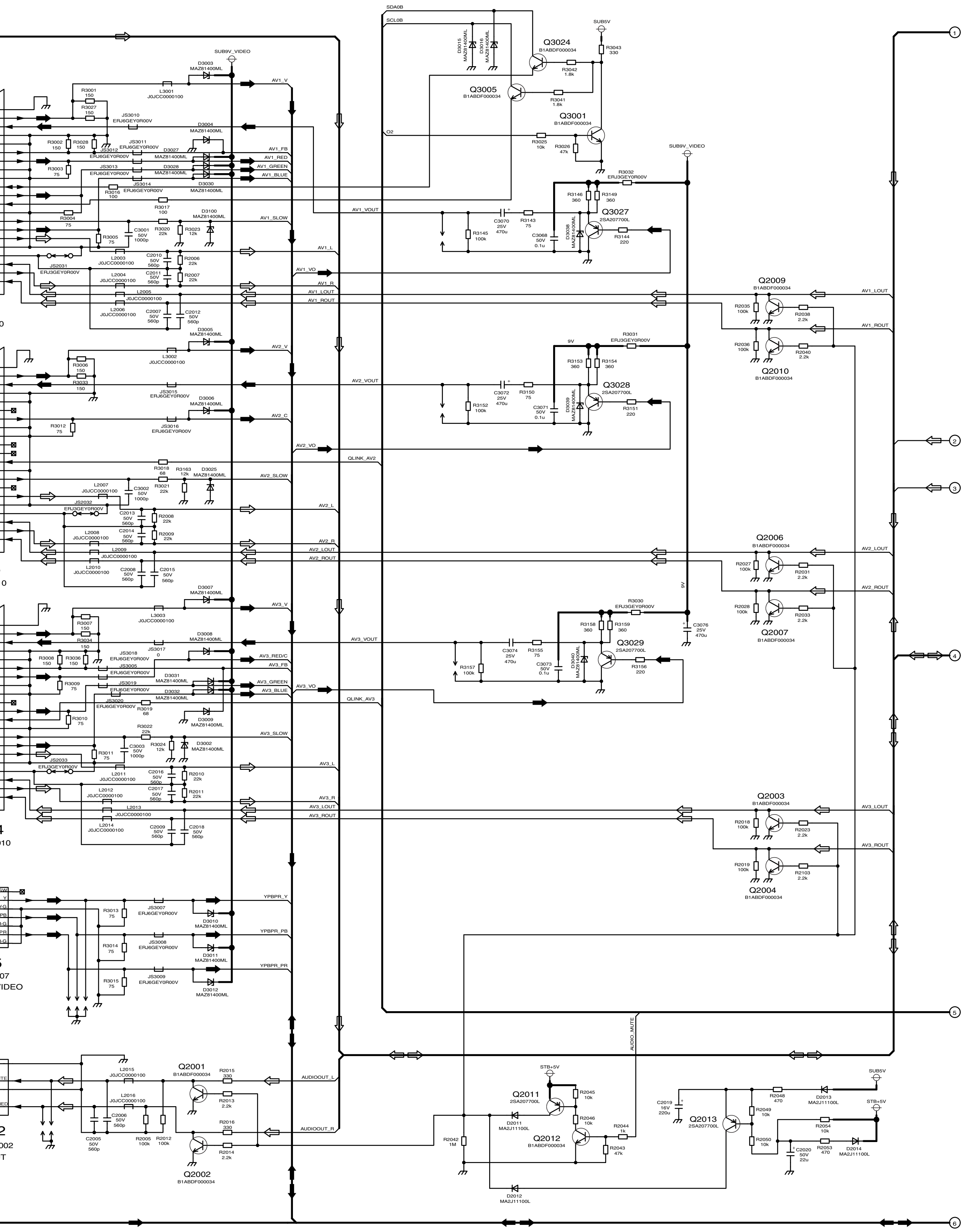

FOR FACTORY USE
TO DG15
HC15
HC01
FOR FACTORY USE
HC22
D_STB3R3V 40 1
D_IIC_CONT 38 2
D_SCL2 36 6
D_SDA2 35 7
D_TXD 34 8
D_RXD 33 9
D_IIC_INT 32 10
D_PSTB 31 11
D_PBUSY 29 12
D_PDB0 28 13
D_PSLCT 27 14
D_PDB1 26 15
G_LED 25 16
R_LED 24 17
REMOCON 23 18
STB5V 22 19
D15V 20 21
1 STB5V
2 SRQ
4 SCL0A
5 SDA0A
IIC0
EEPROM ROUT
6 SCL0B
7 SDA0B
IIC0B
SUB ROUT DEVICE
8 SCL1
9 SDA1
IIC2
HIGH SPEED DEVICE ROUTE
10 SCL2
11 SDA2
IIC1
MAIN ROUT DEVICE
+ PANEL MICOM
FOR FACTORY USE
HC12
1 STB5V
2 SRQ
3 GND
4 SCL0A
5 SDA0A
6 SCL0B
7 SDA0B
8 SCL2
9 SDA2
FOR FACTORY USE
HC21
1 SUB5V
2 SRQ1
3 GND
5 SD_RX
4 SD_TX
6 SCL0A
7 SDA0A
SRQ 19
SCL0A 18
SDA0A 17
SCL0B 15
SDA0A 14
SCL1 12
SDA1 11
SCL2 9
SDA2 8
SD_RX 6
SD_TX 5
OUTPUT OF DVB
INPUT TO DVB
HC JIG CONNECTION

14.24. H-Board (1 of 3)Schematic Diagram



A
B
C
D
E
F
1
2
3
4
5
H-BOARD TNPA3759AB (1/3)
JK2003
K4BK03A00002
AUDIO IN
WHITE
RED
C2021 50V 560p
R2051 180k
L2001 J0JCC0000364
JS2021 ERJ3GEY0R00V
PC_LIN
C2022 50V 560p
R2052 180k
L2002 J0JCC0000364
JS2022 ERJ3GEY0R00V
PC_RIN
JK3001
K1FB315A0005
PC IN
R3306 4.7k
R3308 0
R3307 4.7k
R3309 0
FL3301 J0HABB000003
FL3302 J0HABB000003
R3302 100
R3305 100
MAIN9V_PC
C3330 16V 47u
C3331 50V 0.01u
R3330 ERJ3GEY0R00V
MAIN9V
C3332 50V 0.1u
9V_PC_MAIN
C3335 16V 0.1u
C3334 16V 47u
R3318 75
FL3305 J0HABB000004
D3334 MA2J11100L
D3335 MA2J11100L
R3336 47k
R3337 18k
Q3331 2SC2480OVL
R3338 100
R3339 470
C3340 50V 0.1u
R3350 51
JS3307 0
JS3308 0
PC_B
PC_GND_B
R3323 0
C3337 16V 0.1u
C3336 16V 47u
R3313 75
FL3304 J0HABB000004
D3336 MA2J11100L
D3337 MA2J11100L
R3341 47k
R3342 18k
Q3332 2SC2480OVL
R3340 100
R3343 470
C3341 50V 0.1u
R3351 51
JS3309 0
JS3310 0
PC_G
PC_GND_G
R3320 0
C3339 16V 0.1u
C3338 16V 47u
R3310 75
FL3303 J0HABB000004
D3338 MA2J11100L
D3339 MA2J11100L
R3346 47k
R3345 18k
Q3333 2SC2480OVL
R3344 100
R3347 470
C3342 50V 0.1u
R3352 51
JS3311 0
JS3312 0
PC_R
PC_GND_R
R3324 0
B
G
R
IC3301
C0JBAZ002205
BUFFER
R3312 10k
VD
HD
/1OE
1A
2Y
GND
Vcc
/2OE
1Y
2A
R3317 10k
C3305 16V 0.1u
MAIN3.3V
3.3V_MAIN
R3349 68
R3348 68
PC_H
PC_V
AV1
GND(PLUG)
VIDEO IN
TV VIDEO OUT
GND(BLK)
GND(VIDEO)
FB IN
RED IN
GND
GND(RED)
SDA2
GREEN IN
SCL2
GND(GREEN)
AV1 SLOW
BLUE IN
L IN
GND(BLUE)
GND(AUDIO)
TV L OUT
R IN
TV R OUT
R3001 150
R3027 150
R3002 150
R3028 150
R3003 75
R3004 75
JS2031 ERJ3GEY0R00V
JK3002
K1FB121A0010
SCART
AV2
GND(PLUG)
VIDEO IN
VIDEO OUT
GND(BLK)
GND(VIDEO)
Chroma in
GND
GND
Q-LINK
GND
AV2 SLOW
L IN
GND
GND(AUDIO)
TV L OUT
R IN
TV R OUT
R3006 150
R3033 150
R3012 75
L2007
JS2032 ERJ3GEY0R00V
L2008
L2010
JK3003
K1FB121A0010
SCART
AV3
GND(PLUG)
VIDEO IN
TV VIDEO OUT
GND(BLK)
GND(VIDEO)
BLK IN
RED IN
GND
GND(RED)
GREEN IN
Q-LINK
GND(GREEN)
AV1 SLOW
BLUE IN
L IN
GND(BLUE)
GND(AUDIO)
TV L OUT
R IN
TV R OUT
R3007 150
R3034 150
R3008 150
R3036 150
R3009 75
R3010 75
JS2033 ERJ3GEY0R00V
JK3004
K1FB121A0010
SCART
Y
PB
PR
Y-SW
Y-G
PB-G
PR-G
JK3005
K2HA307A0007
COMPONENT VIDEO
WHITE
RED
JK2002
K4BK03A00002
AUDIO OUT
C2005 50V 560p

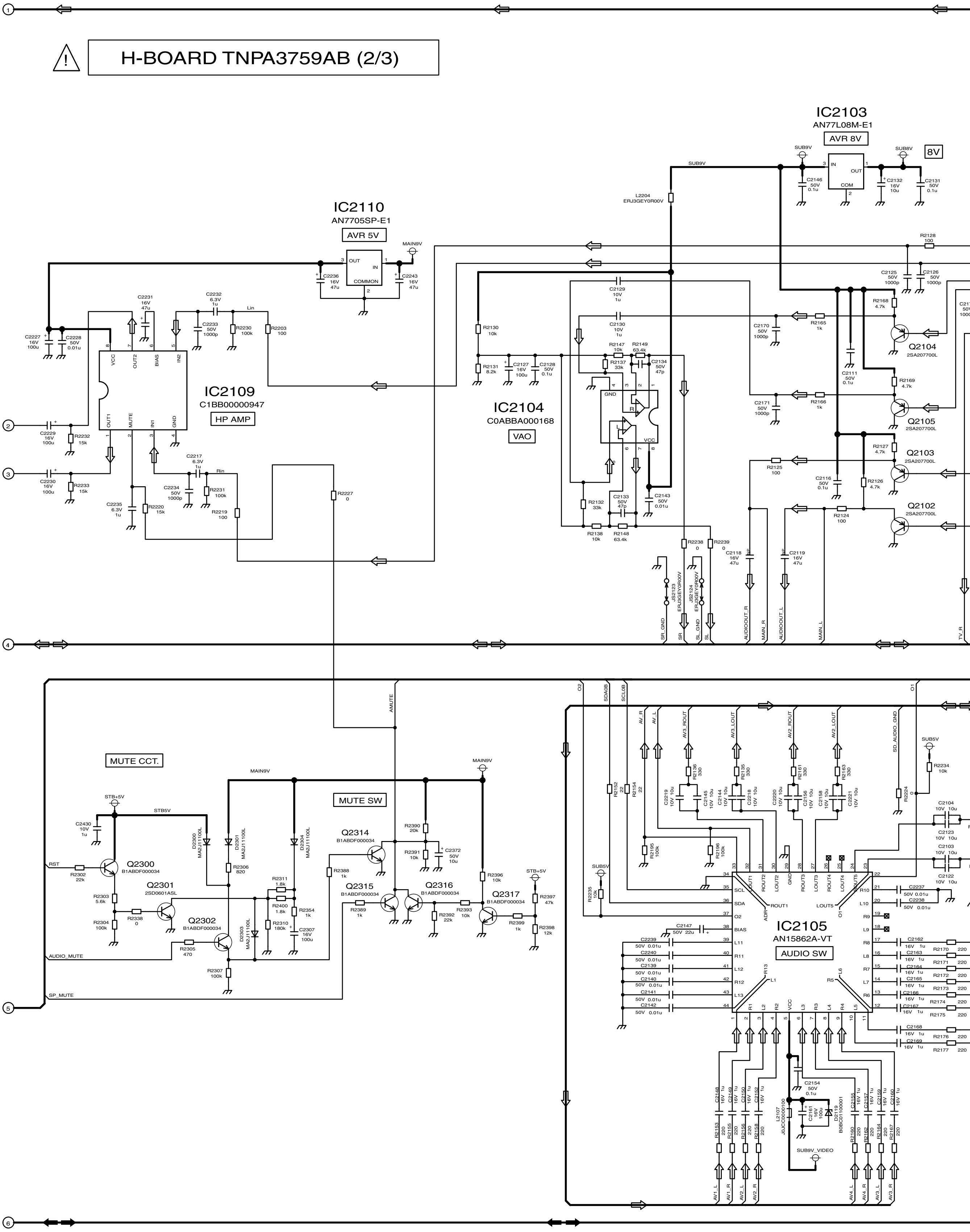
TH-37/42PV60E,TH-37/42PX60B
H-Board (1 of 3) Schematic Diagram


SDA0B
SCL0B
SUB5V
Q3024
B1ABDF000034
R3043
330
R3042
1.8k
Q3005
B1ABDF000034
R3041
1.8k
Q3001
B1ABDF000034
D3015
MAZ81400ML
D3016
MAZ81400ML
O2
R3025
10k
R3026
47k
SUB9V_VIDEO
R3032
ERJ3GEY0R00V
R3146
360
R3149
360
Q3027
2SA207700L
AV1_VOUT
C3070
25V
470u
R3143
75
R3145
100k
C3068
50V
0.1u
D3038
MAZ81400ML
R3144
220
AV1_V
AV1_FB
AV1_RED
AV1_GREEN
AV1_BLUE
AV1_SLOW
AV1_L
AV1_VO
AV1_R
AV1_LOUT
AV1_ROUT
R3001
150
R3027
150
L3001
J0JCC0000100
D3003
MAZ81400ML
JS3010
ERJ6GEY0R00V
D3004
MAZ81400ML
R3002
150
R3028
150
JS3011
ERJ6GEY0R00V
JS3012
ERJ6GEY0R00V
D3027
MAZ81400ML
R3003
75
JS3013
ERJ6GEY0R00V
D3028
MAZ81400ML
R3016
100
JS3014
ERJ6GEY0R00V
D3030
MAZ81400ML
R3017
100
D3100
MAZ81400ML
R3004
75
R3005
75
C3001
50V
1000p
R3020
22k
R3023
12k
L2003
J0JCC0000100
C2010
50V
560p
R2006
22k
JS2031
ERJ6GEY0R00V
L2004
J0JCC0000100
C2011
50V
560p
R2007
22k
L2005
J0JCC0000100
L2006
J0JCC0000100
C2007
50V
560p
C2012
50V
560p
Q2009
B1ABDF000034
R2035
100k
R2038
2.2k
R2036
100k
R2040
2.2k
Q2010
B1ABDF000034
D3005
MAZ81400ML
AV2_V
L3002
J0JCC0000100
R3006
150
R3033
150
JS3015
ERJ6GEY0R00V
D3006
MAZ81400ML
AV2_VOUT
AV2_C
R3012
75
JS3016
ERJ6GEY0R00V
9V
R3031
ERJ3GEY0R00V
R3153
360
R3154
360
Q3028
2SA207700L
C3072
25V
470u
R3150
75
R3152
100k
C3071
50V
0.1u
D3039
MAZ81400ML
R3151
220
AV2_VO
QLINK_AV2
R3018
68
R3163
12k
D3025
MAZ81400ML
AV2_SLOW
L2007
J0JCC0000100
C3002
50V
1000p
R3021
22k
JS2032
ERJ3GEY0R00V
C2013
50V
560p
R2008
22k
AV2_L
L2008
J0JCC0000100
C2014
50V
560p
R2009
22k
AV2_R
L2009
J0JCC0000100
AV2_LOUT
AV2_ROUT
L2010
J0JCC0000100
C2008
50V
560p
C2015
50V
560p
Q2006
B1ABDF000034
R2027
100k
R2031
2.2k
R2028
100k
R2033
2.2k
Q2007
B1ABDF000034
D3007
MAZ81400ML
AV3_V
L3003
J0JCC0000100
R3007
150
R3034
150
D3008
MAZ81400ML
AV3_VOUT
R3008
150
R3036
150
JS3018
ERJ6GEY0R00V
JS3017
0
AV3_RED/C
AV3_FB
JS3005
ERJ6GEY0R00V
D3031
MAZ81400ML
R3009
75
JS3019
ERJ6GEY0R00V
AV3_GREEN
AV3_BLUE
D3032
MAZ81400ML
JS3020
ERJ6GEY0R00V
R3019
68
AV3_VO
QLINK_AV3
R3010
75
D3009
MAZ81400ML
R3022
22k
AV3_SLOW
R3024
12k
D3002
MAZ81400ML
R3011
75
C3003
50V
1000p
JS2033
ERJ3GEY0R00V
L2011
J0JCC0000100
C2016
50V
560p
R2010
22k
AV3_L
L2012
J0JCC0000100
C2017
50V
560p
R2011
22k
AV3_R
L2013
J0JCC0000100
AV3_LOUT
AV3_ROUT
L2014
J0JCC0000100
C2009
50V
560p
C2018
50V
560p
R3030
ERJ3GEY0R00V
R3158
360
R3159
360
Q3029
2SA207700L
C3076
25V
470u
C3074
25V
470u
R3155
75
R3157
100k
C3073
50V
0.1u
D3040
MAZ81400ML
R3156
220
Q2003
B1ABDF000034
R2018
100k
R2023
2.2k
R2019
100k
R2103
2.2k
Q2004
B1ABDF000034
R3013
75
JS3007
ERJ6GEY0R00V
YPBPR_Y
D3010
MAZ81400ML
R3014
75
JS3008
ERJ6GEY0R00V
YPBPR_PB
D3011
MAZ81400ML
R3015
75
JS3009
ERJ6GEY0R00V
YPBPR_PR
D3012
MAZ81400ML
AUDIO_MUTE
L2015
J0JCC0000100
Q2001
B1ABDF000034
R2015
330
R2013
2.2k
AUDIOOUT_L
L2016
J0JCC0000100
C2006
50V
560p
C2005
50V
560p
R2005
100k
R2012
100k
R2016
330
R2014
2.2k
AUDIOOUT_R
Q2002
B1ABDF000034
STB+5V
Q2011
2SA207700L
R2045
10k
R2046
10k
D2011
MA2J11100L
Q2012
B1ABDF000034
R2044
1k
R2043
47k
R2042
1M
D2012
MA2J11100L
C2019
16V
220u
Q2013
2SA207700L
R2048
470
D2013
MA2J11100L
R2049
10k
R2050
10k
R2054
10k
C2020
50V
22u
R2053
470
D2014
MA2J11100L
1
2
3
4
5
6

TH-37/42PV60E,TH-37/42PX60B H-Board (1 of 3) Schematic Diagram

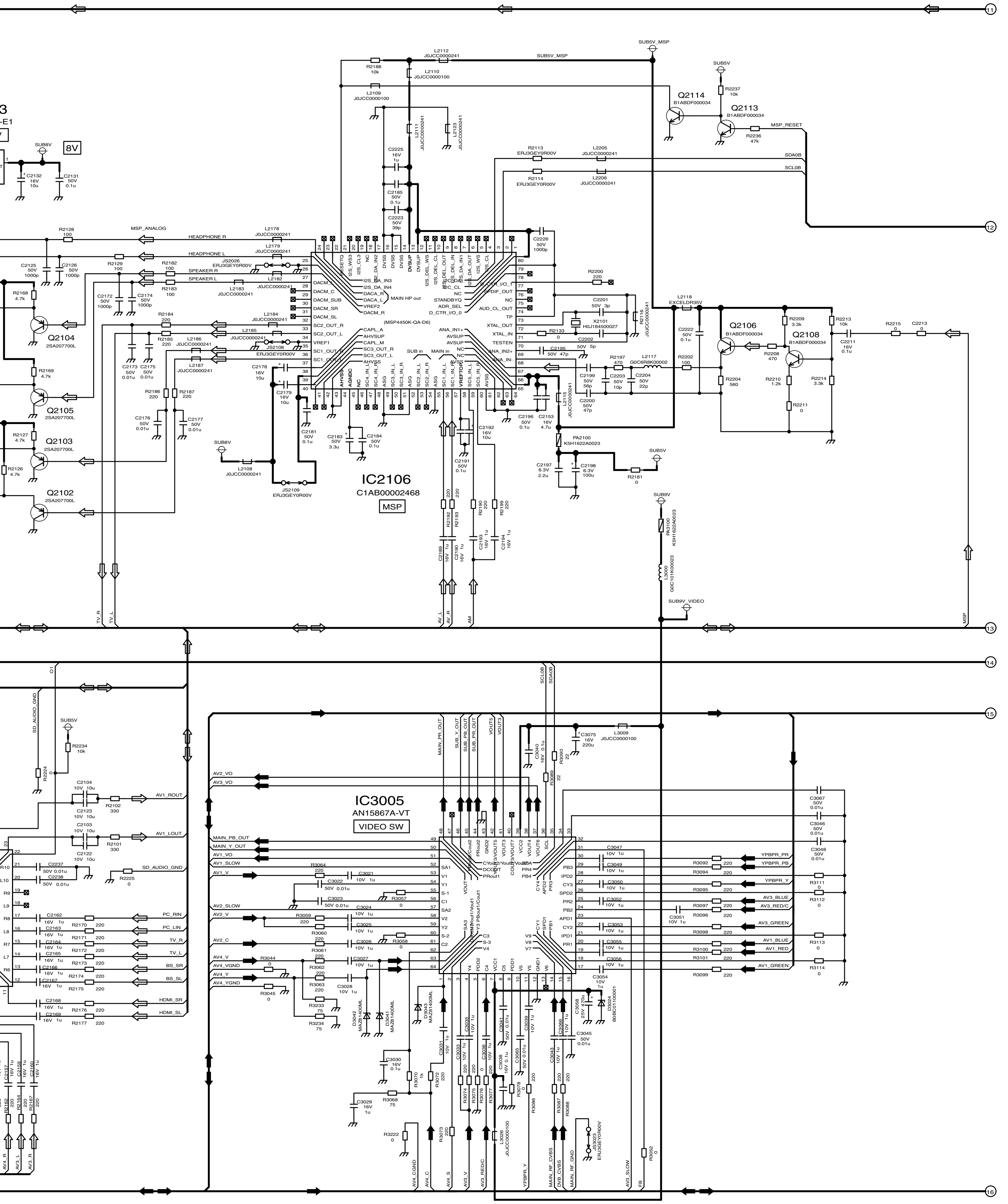
5 6 7 8 9

14.25. H-Board (2 of 3)Schematic Diagram


H-BOARD TNPA3759AB (2/3)
IC2103
AN77L08M-E1
AVR 8V
SUB9V
SUB8V
8V
IC2110
AN7705SP-E1
AVR 5V
MAIN9V
IC2109
C1BB00000947
HP AMP
IC2104
C0ABBA000168
VAO
Q2104
Q2105
Q2103
Q2102
2SA207700L
MUTE CCT.
MUTE SW
Q2300
Q2301
Q2302
Q2314
Q2315
Q2316
Q2317
STB+5V
AUDIO_MUTE
SP_MUTE
RST
AMUTE
IC2105
AN15862A-VT
AUDIO SW
SUB5V
SUB9V_VIDEO
SR_GND
SR
SL_GND
SL
AUDIOOUT_R
MAIN_R
AUDIOOUT_L
MAIN_L
TV_R
AV1_L
AV1_R
AV2_L
AV2_R
AV4_L
AV4_R
AV3_L
AV3_R
1
2
3
4
5
6

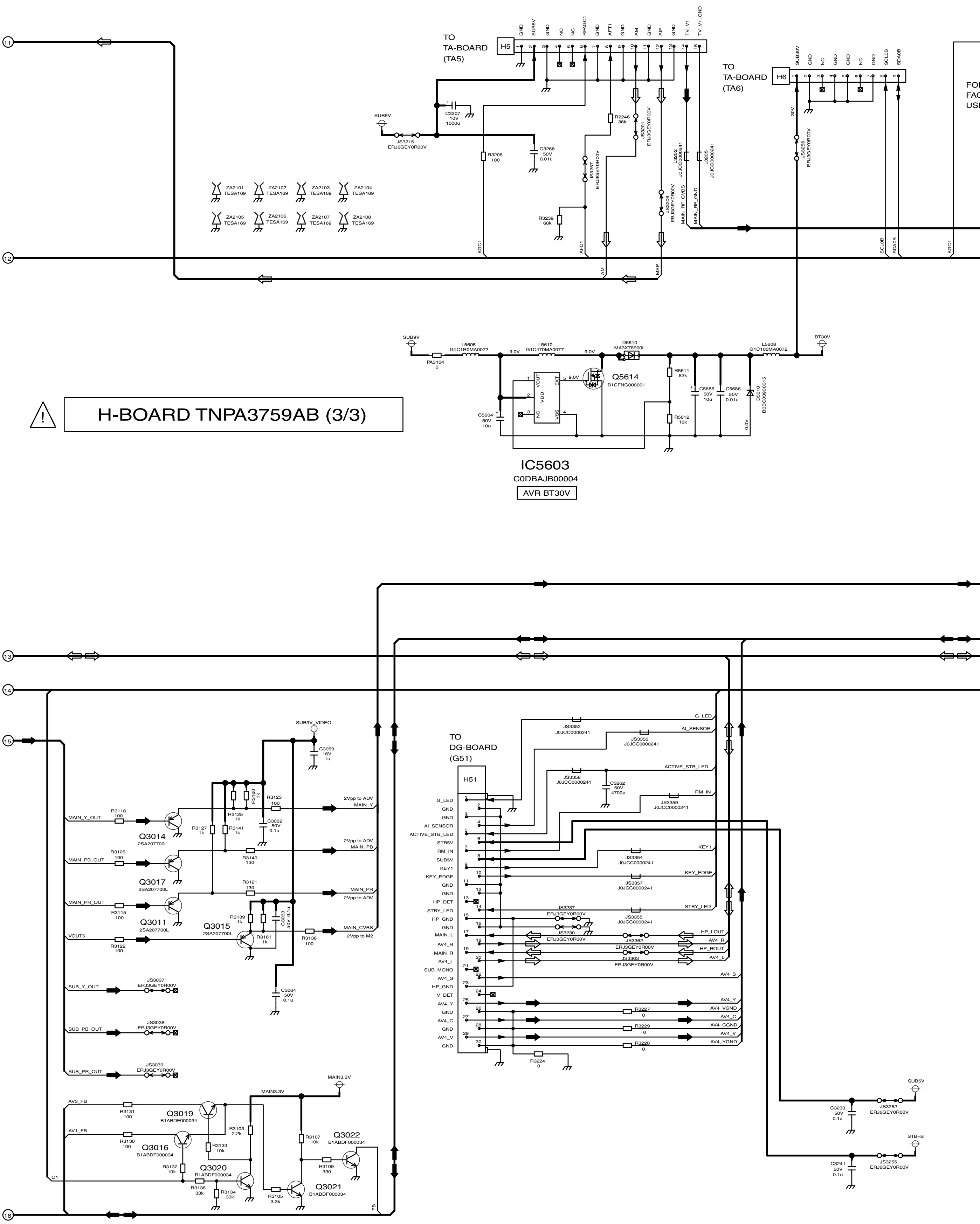
TH-37/42PV60E,TH-37/42PX60B H-Board (2 of 3) Schematic Diagram

10 11 12 13 14


IC2106
C1AB00002468
MSP
(MSP4450K-QA-D6)
IC3005
AN15867A-VT
VIDEO SW
Q2114
B1ABDF000034
Q2113
B1ABDF000034
Q2106
B1ABDF000034
Q2108
B1ABDF000034
Q2104
2SA207700L
Q2105
2SA207700L
Q2103
2SA207700L
Q2102
2SA207700L
X2101
H0J184500027
PA2100
K5H1622A0023
PA3100
K5H1622A0023
L3000
G0C101K00023
SUB5V_MSP
SUB5V
SUB8V
8V
SUB9V
SUB9V_VIDEO
MSP_RESET
SDA0B
SCL0B
MSP_ANALOG
HEADPHONE R
HEADPHONE L
SPEAKER R
SPEAKER L
MAIN HP out
SUB in
MAIN in
TV_R
TV_L
AV_L
AV_R
AM
MSP
SCL0B
SDA0B
MAIN_PR_OUT
SUB_Y_OUT
SUB_PB_OUT
SUB_PR_OUT
VOUT5
VOUT3
AV2_VO
AV3_VO
AV1_ROUT
AV1_LOUT
SD_AUDIO_GND
MAIN_PB_OUT
MAIN_Y_OUT
AV1_VO
AV1_SLOW
AV1_V
AV2_SLOW
AV2_V
AV2_C
AV4_V
AV4_VGND
AV4_Y
AV4_YGND
PC_RIN
PC_LIN
TV_R
TV_L
BS_SR
BS_SL
HDMI_SR
HDMI_SL
YPBPR_PR
YPBPR_PB
YPBPR_Y
AV3_BLUE
AV3_RED/C
AV3_GREEN
AV1_BLUE
AV1_RED
AV1_GREEN
AV4_R
AV4_L
AV3_R
AV4_CGND
AV4_C
AV4_S
AV3_V
AV3_RED/C
YPBPR_Y
MAIN_RF_CVBS
DVB_CVBS
MAIN_RF_GND
AV3_SLOW
FB
SD_AUDIO_GND
O1
⑪
⑫
⑬
⑭
⑮
⑯
14
15
16
17
18

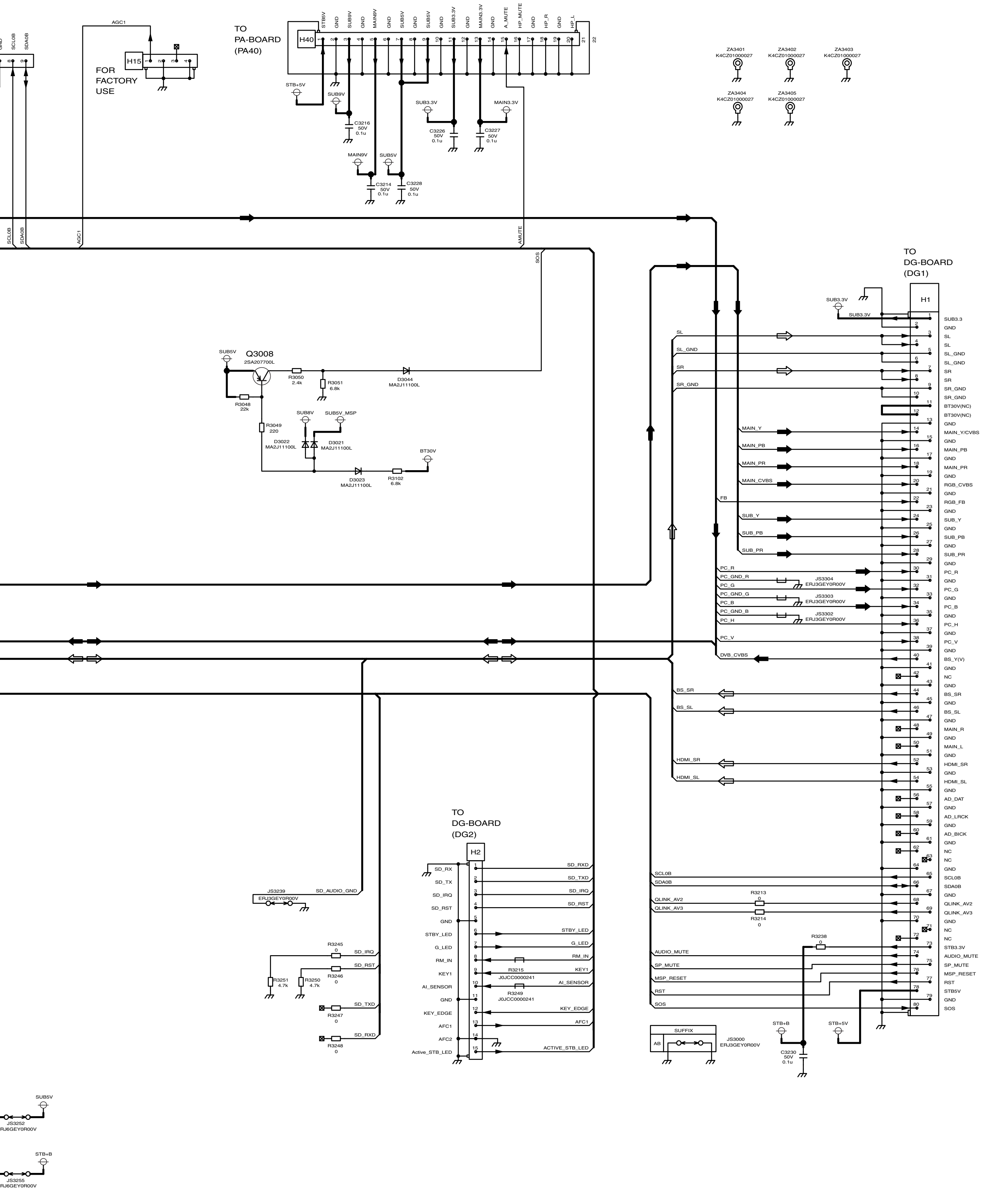
TH-37/42PV60E,TH-37/42PX60B H-Board (2 of 3) Schematic Diagram

14.26. H-Board (3 of 3)Schematic Diagram


H-BOARD TNPA3759AB (3/3)
TO TA-BOARD (TA5)
H5
GND
SUB5V
NC
RFAGC1
AFT1
AM
SIF
TV_V1
TV_V1_GND
TO TA-BOARD (TA6)
H6
SUB30V
SCL0B
SDA0B
SUB5V
JS3215 ERJ6GEY0R00V
C3207 10V 1000u
R3206 100
C3268 50V 0.01u
R2246 36k
R3239 68k
JS3257 ERJ3GEY0R00V
JS3201 ERJ3GEY0R00V
JS3206 ERJ3GEY0R00V
L3202 J0JCC0000241
L3205 J0JCC0000241
JS3256 ERJ3GEY0R00V
MAIN_RF_CVBS
MAIN_RF_GND
ZA2101 TESA169
ZA2102 TESA169
ZA2103 TESA169
ZA2104 TESA169
ZA2105 TESA169
ZA2106 TESA169
ZA2107 TESA169
ZA2108 TESA169
AGC1
AFC1
AM
MSP
SCL0B
SDA0B
30V
SUB9V
PA3104 0
L5605 G1C1R0MA0072
L5610 G1C470MA0077
9.0V
D5610 MA3X78900L
L5608 G1C100MA0072
BT30V
Q5614 B1CFNG000001
R5611 82k
R5612 16k
C5685 50V 10u
C5686 50V 0.01u
D5618 B0BC03900015
C5604 50V 10u
VOUT
VDD
NC
EXT
VSS
IC5603
C0DBAJB00004
AVR BT30V
SUB9V_VIDEO
C3059 16V 1u
MAIN_Y_OUT
R3118 100
Q3014 2SA207700L
MAIN_PB_OUT
R3126 100
Q3017 2SA207700L
MAIN_PR_OUT
R3115 100
Q3011 2SA207700L
VOUT5
R3122 100
Q3015 2SA207700L
R3127 1k
R3125 1k
R3141 1k
R3160 1k
R3123 100
C3062 50V 0.1u
R3140 130
R3121 130
R3139 1k
R3161 1k
C3063 50V 0.1u
R3138 100
C3064 50V 0.1u
2Vpp to ADV MAIN_Y
2Vpp to ADV MAIN_PB
MAIN_PR 2Vpp to ADV
MAIN_CVBS 2Vpp to M2
SUB_Y_OUT
JS3037 ERJ3GEY0R00V
SUB_PB_OUT
JS3038 ERJ3GEY0R00V
SUB_PR_OUT
JS3039 ERJ3GEY0R00V
AV3_FB
AV1_FB
R3131 100
Q3019 B1ABDF000034
R3130 100
Q3016 B1ABDF000034
R3103 2.2k
R3133 10k
R3132 10k
Q3020 B1ABDF000034
R3136 33k
R3134 33k
MAIN3.3V
R3107 10k
Q3022 B1ABDF000034
R3109 330
Q3021 B1ABDF000034
R3105 3.3k
O1
FB
TO DG-BOARD (G51)
H51
G_LED
GND
AI_SENSOR
ACTIVE_STB_LED
STB5V
RM_IN
SUB5V
KEY1
KEY_EDGE
HP_DET
STBY_LED
HP_GND
MAIN_L
AV4_R
MAIN_R
AV4_L
SUB_MONO
AV4_S
V_DET
AV4_Y
AV4_C
AV4_V
JS3352 J0JCC0000241
JS3356 J0JCC0000241
JS3358 J0JCC0000241
C3262 50V 4700p
JS3359 J0JCC0000241
JS3354 J0JCC0000241
JS3357 J0JCC0000241
JS3237 ERJ3GEY0R00V
JS3355 J0JCC0000241
JS3230 ERJ3GEY0R00V
JS3362 ERJ3GEY0R00V
JS3363 ERJ3GEY0R00V
HP_LOUT
HP_ROUT
AV4_VGND
AV4_CGND
AV4_YGND
R3227 0
R3229 0
R3228 0
R3224 0
SUB5V
C3233 50V 0.1u
JS3252 ERJ6GEY0R00V
STB+B
C3241 50V 0.1u
JS3255 ERJ6GEY0R00V
11
12
13
14
15
16

TH-37/42PV60E,TH-37/42PX60B H-Board (3 of 3) Schematic Diagram

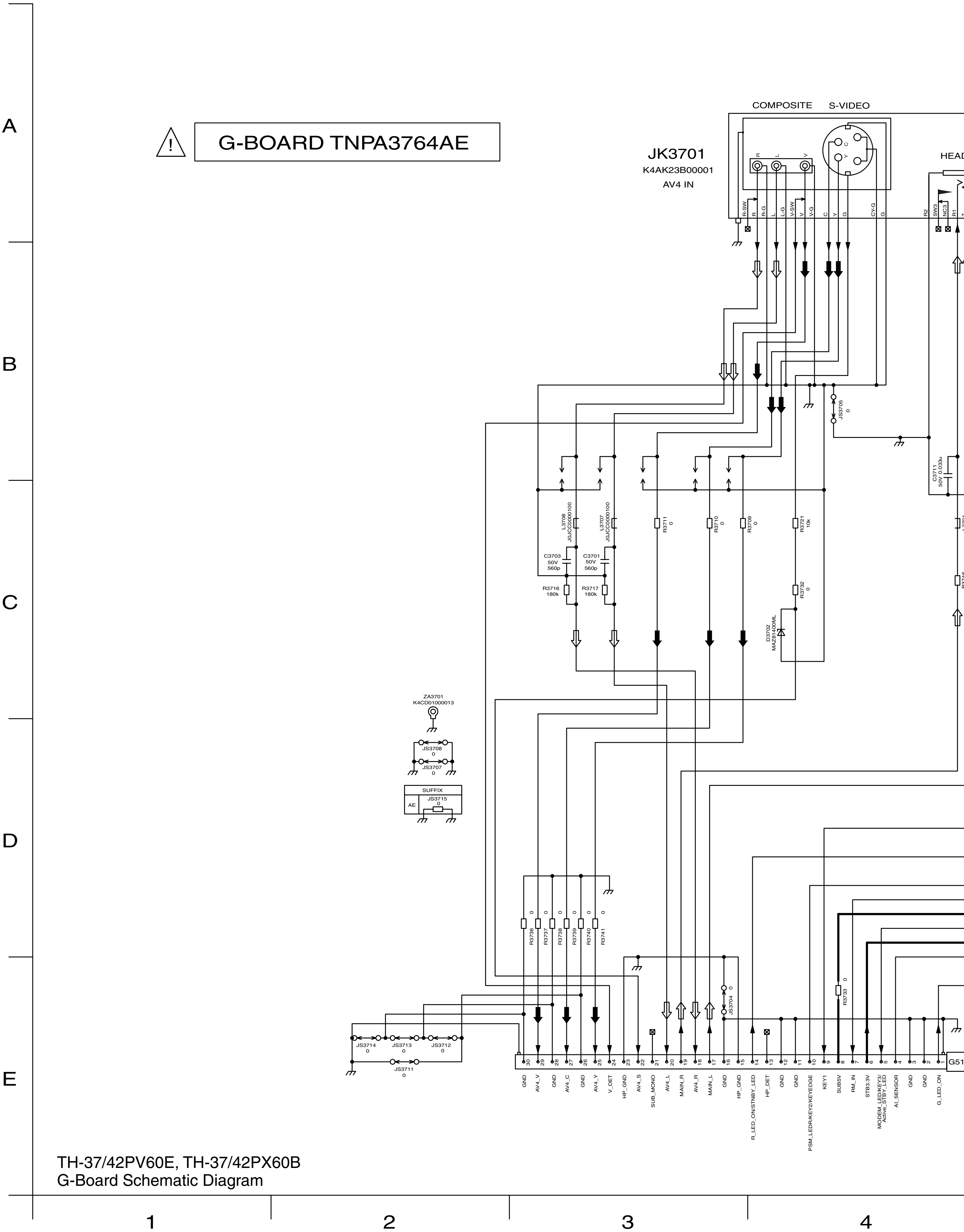
19 20 21 22 23


TO
PA-BOARD
(PA40)
H40
STB5V
GND
SUB9V
GND
MAIN9V
GND
SUB5V
GND
SUB5V
GND
SUB3.3V
GND
MAIN3.3V
GND
A_MUTE
HP_MUTE
GND
HP_R
GND
HP_L
H15
FOR
FACTORY
USE
AGC1
SCL0B
SDA0B
AMUTE
SOS
ZA3401
K4CZ01000027
ZA3402
K4CZ01000027
ZA3403
K4CZ01000027
ZA3404
K4CZ01000027
ZA3405
K4CZ01000027
STB+5V
SUB9V
C3216
50V
0.1u
SUB3.3V
C3226
50V
0.1u
MAIN3.3V
C3227
50V
0.1u
MAIN9V
SUB5V
C3214
50V
0.1u
C3228
50V
0.1u
Q3008
2SA207700L
R3050
2.4k
R3051
6.8k
D3044
MA2J11100L
R3048
22k
R3049
220
SUB8V
SUB5V_MSP
D3022
MA2J11100L
D3021
MA2J11100L
BT30V
D3023
MA2J11100L
R3102
6.8k
TO
DG-BOARD
(DG1)
H1
SUB3.3V
SUB3.3
GND
SL
SL
SL_GND
SL_GND
SR
SR
SR_GND
SR_GND
BT30V(NC)
BT30V(NC)
GND
MAIN_Y/CVBS
GND
MAIN_PB
GND
MAIN_PR
GND
RGB_CVBS
GND
RGB_FB
GND
SUB_Y
GND
SUB_PB
GND
SUB_PR
GND
PC_R
GND
PC_G
GND
PC_B
GND
PC_H
GND
PC_V
GND
BS_Y(V)
GND
NC
GND
BS_SR
GND
BS_SL
GND
MAIN_R
GND
MAIN_L
GND
HDMI_SR
GND
HDMI_SL
GND
AD_DAT
GND
AD_LRCK
GND
AD_BICK
GND
NC
NC
GND
SCL0B
SDA0B
GND
QLINK_AV2
QLINK_AV3
GND
NC
NC
STB3.3V
AUDIO_MUTE
SP_MUTE
MSP_RESET
RST
STB5V
GND
SOS
MAIN_Y
MAIN_PB
MAIN_PR
MAIN_CVBS
FB
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_GND_R
PC_G
PC_GND_G
PC_B
PC_GND_B
PC_H
PC_V
DVB_CVBS
JS3304
ERJ3GEY0R00V
JS3303
ERJ3GEY0R00V
JS3302
ERJ3GEY0R00V
BS_SR
BS_SL
HDMI_SR
HDMI_SL
R3213
0
R3214
0
R3238
0
SUFFIX
AB
JS3000
ERJ3GEY0R00V
STB+B
STB+5V
C3230
50V
0.1u
TO
DG-BOARD
(DG2)
H2
SD_RX
SD_TX
SD_IRQ
SD_RST
GND
STBY_LED
G_LED
RM_IN
KEY1
AI_SENSOR
GND
KEY_EDGE
AFC1
AFC2
Active_STB_LED
SD_RXD
SD_TXD
SD_IRQ
SD_RST
STBY_LED
G_LED
RM_IN
KEY1
AI_SENSOR
KEY_EDGE
AFC1
ACTIVE_STB_LED
R3215
J0JCC0000241
R3249
J0JCC0000241
JS3239
ERJ3GEY0R00V
SD_AUDIO_GND
R3245
0
R3246
0
R3247
0
R3248
0
R3251
4.7k
R3250
4.7k
SUB5V
JS3252
RJ6GEY0R00V
STB+B
JS3255
RJ6GEY0R00V

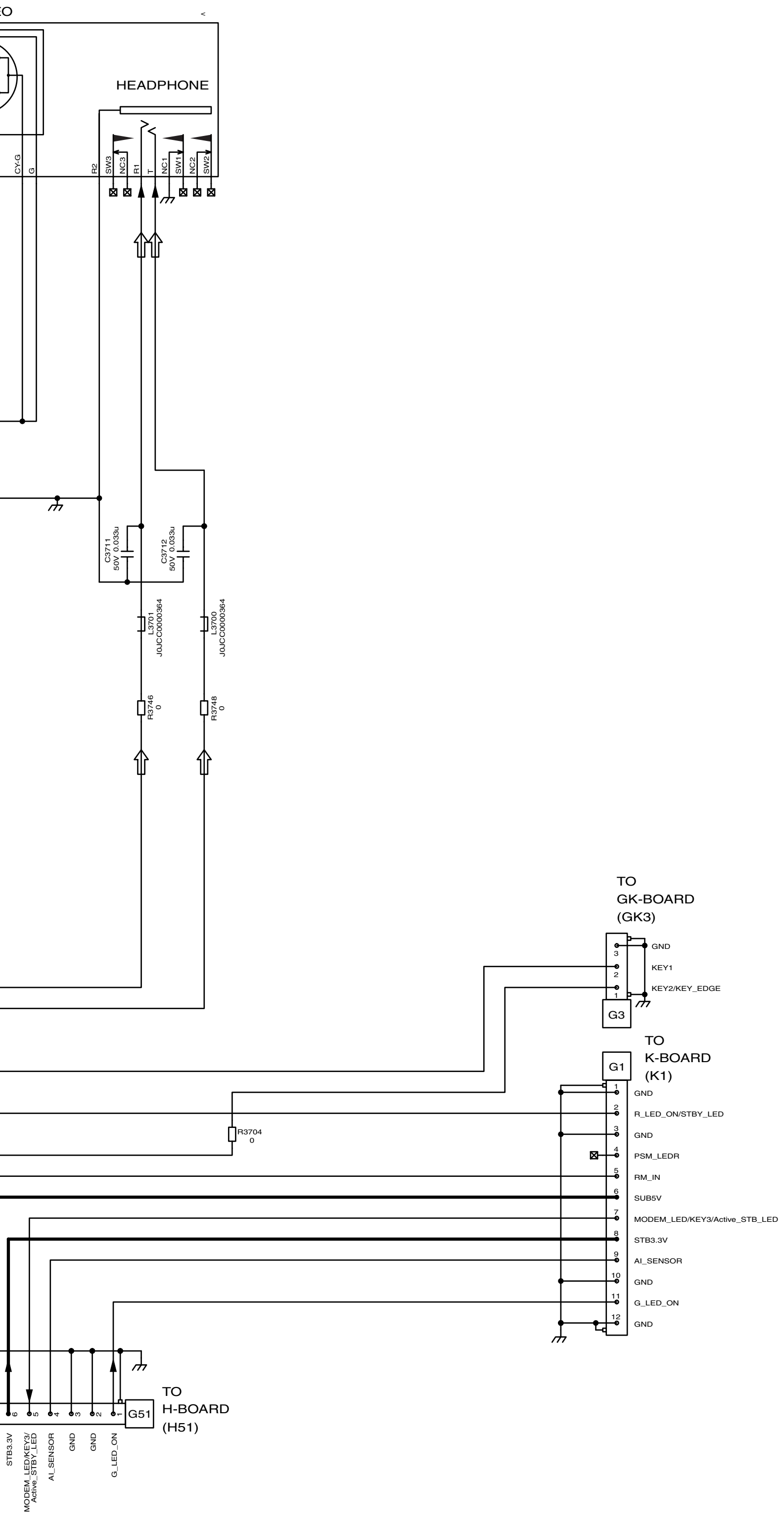
TH-37/42PV60E,TH-37/42PX60B
H-Board (3 of 3) Schematic Diagram

23 24 25 26 27

14.27. G-Board Schematic Diagram


A
B
C
D
E
1
2
3
4
G-BOARD TNPA3764AE
COMPOSITE
S-VIDEO
JK3701
K4AK23B00001
AV4 IN
HEAD
R
L
V
C
Y
G
R-SW
R-G
L-G
V-SW
V-G
CY-G
R2
SW3
NC3
R1
JS3705
0
C3711
50V 0.033u
L3708
J0JCC0000100
L3707
J0JCC0000100
C3703
50V
560p
C3701
50V
560p
R3716
180k
R3717
180k
R3711
0
R3710
0
R3709
0
R3721
10k
R3732
0
D3702
MAZ81400ML
ZA3701
K4CD01000013
JS3708
0
JS3707
0
SUFFIX
AE
JS3715
0
R3736
R3737
R3738
R3739
R3740
R3741
0
JS3704
0
R3733
0
JS3714
0
JS3713
0
JS3712
0
JS3711
0
G51
GND
AV4_V
GND
AV4_C
GND
AV4_Y
V_DET
HP_GND
AV4_S
SUB_MONO
AV4_L
MAIN_R
AV4_R
MAIN_L
GND
HP_GND
R_LED_ON/STNBY_LED
HP_DET
GND
GND
PSM_LED/KEY2/KEYEDGE
KEY1
SUB5V
RM_IN
STB3.3V
MODEM_LED/KEY3/ Active_STBY_LED
AI_SENSOR
GND
GND
G_LED_ON

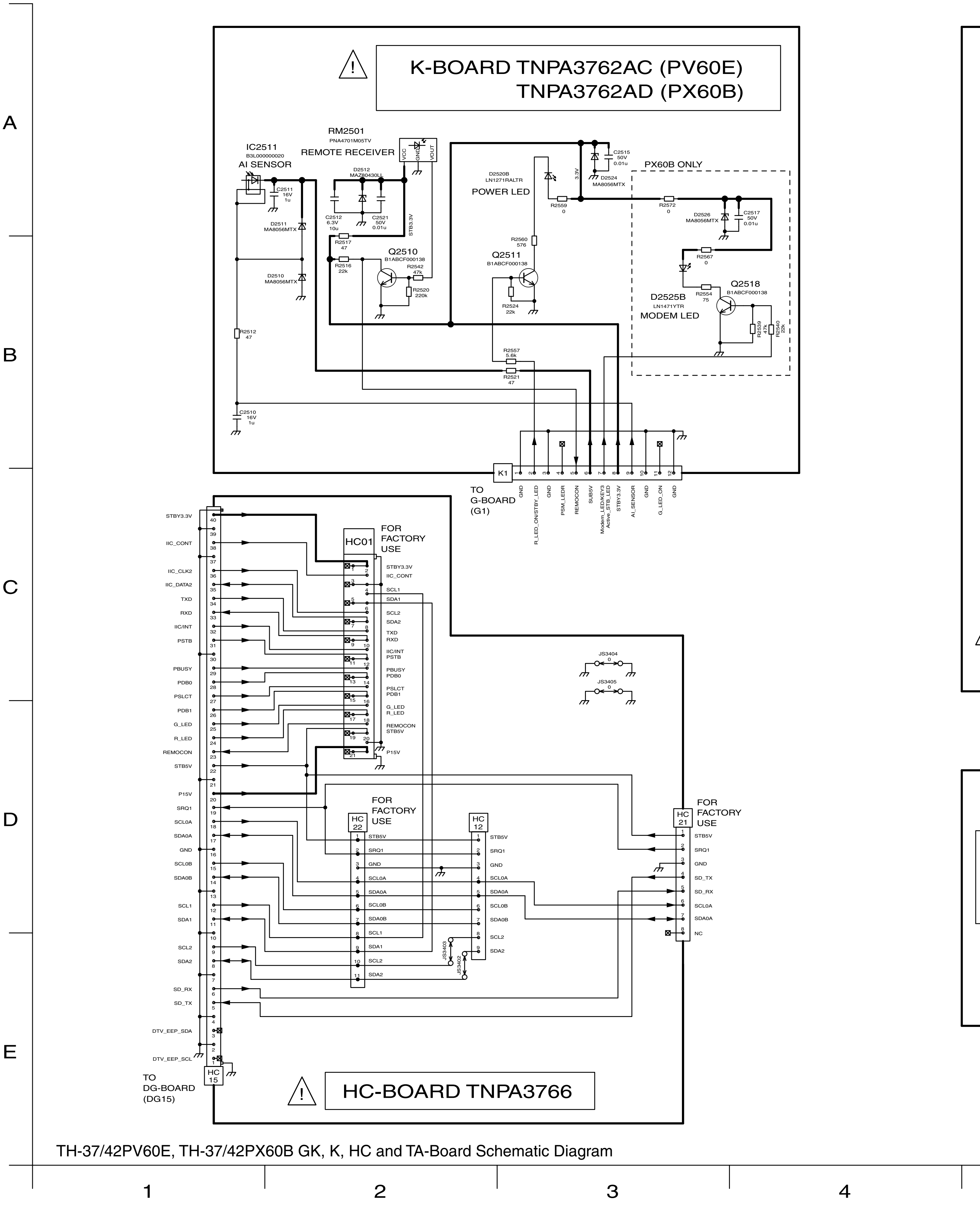
TH-37/42PV60E, TH-37/42PX60B
G-Board Schematic Diagram


EO
HEADPHONE
CY-G
G
R2
SW3
NC3
R1
T
NC1
SW1
NC2
SW2
C3711
50V 0.033u
C3712
50V 0.033u
L3701
J0JCC0000364
L3700
J0JCC0000364
R3746
0
R3748
0
TO
GK-BOARD
(GK3)
G3
3 GND
2 KEY1
1 KEY2/KEY_EDGE
TO
K-BOARD
(K1)
G1
1 GND
2 R_LED_ON/STBY_LED
3 GND
4 PSM_LEDR
5 RM_IN
6 SUB5V
7 MODEM_LED/KEY3/Active_STB_LED
8 STB3.3V
9 AI_SENSOR
10 GND
11 G_LED_ON
12 GND
R3704
0
TO
H-BOARD
(H51)
G51
6 STB3.3V
5 MODEM_LED/KEY3/ Active_STBY_LED
4 AI_SENSOR
3 GND
2 GND
1 G_LED_ON

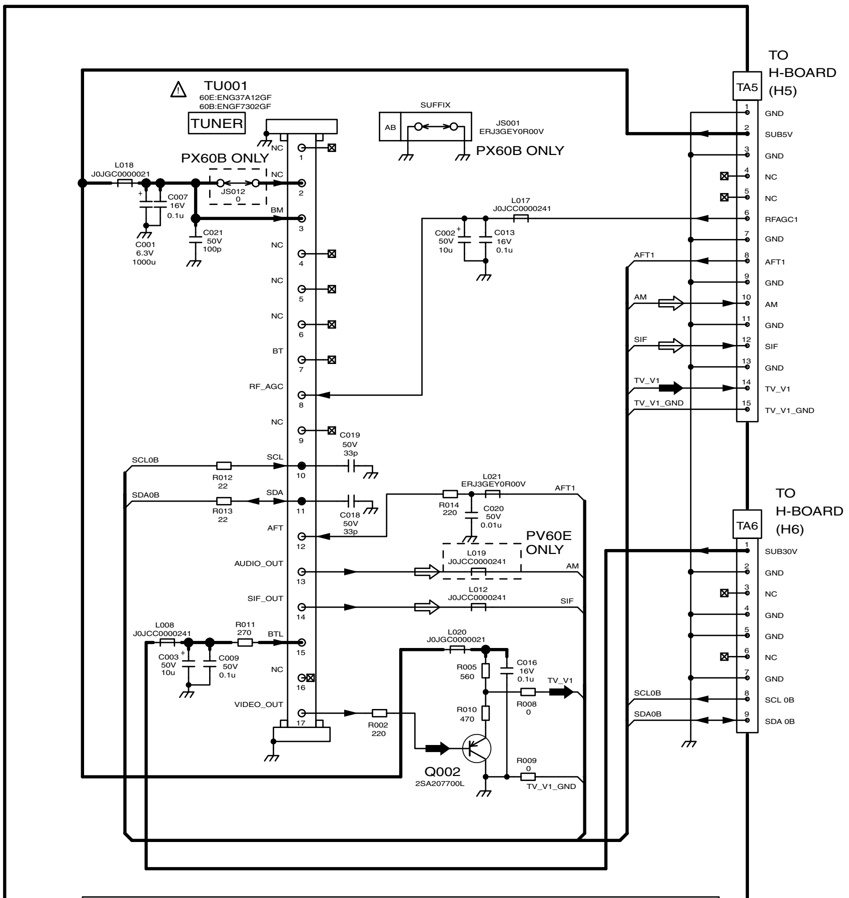
TH-37/42PV60E, TH-37/42PX60B
G-Board Schematic Diagram

4 5 6 7 8

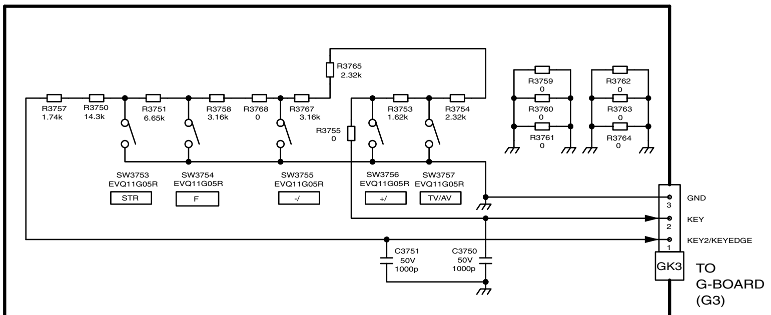
14.28. GK, K, HC and TA-Board Schematic Diagram


K-BOARD TNPA3762AC (PV60E)
TNPA3762AD (PX60B)
IC2511
B3L000000020
AI SENSOR
RM2501
PNA4701M05TV
REMOTE RECEIVER
POWER LED
D2520B
LN1271RALTR
PX60B ONLY
Q2510
B1ABCF000138
Q2511
B1ABCF000138
Q2518
B1ABCF000138
D2525B
LN1471YTR
MODEM LED
K1
TO
G-BOARD
(G1)
GND
R_LED_ON/STBY_LED
PSM_LEDR
REMOCON
SUB5V
Modem_LED/KEY3
Active_STB_LED
STBY3.3V
AI_SENSOR
G_LED_ON
HC01
FOR
FACTORY
USE
HC
22
HC
12
HC
21
HC
15
TO
DG-BOARD
(DG15)
HC-BOARD TNPA3766
JS3404
JS3405
JS3403
JS3402
STBY3.3V
IIC_CONT
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
G_LED
R_LED
REMOCON
STB5V
P15V
SRQ1
SCL0A
SDA0A
GND
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_RX
SD_TX
DTV_EEP_SDA
DTV_EEP_SCL
SD_TX
SD_RX
NC
A
B
C
D
E
1
2
3
4

TH-37/42PV60E, TH-37/42PX60B GK, K, HC and TA-Board Schematic Diagram

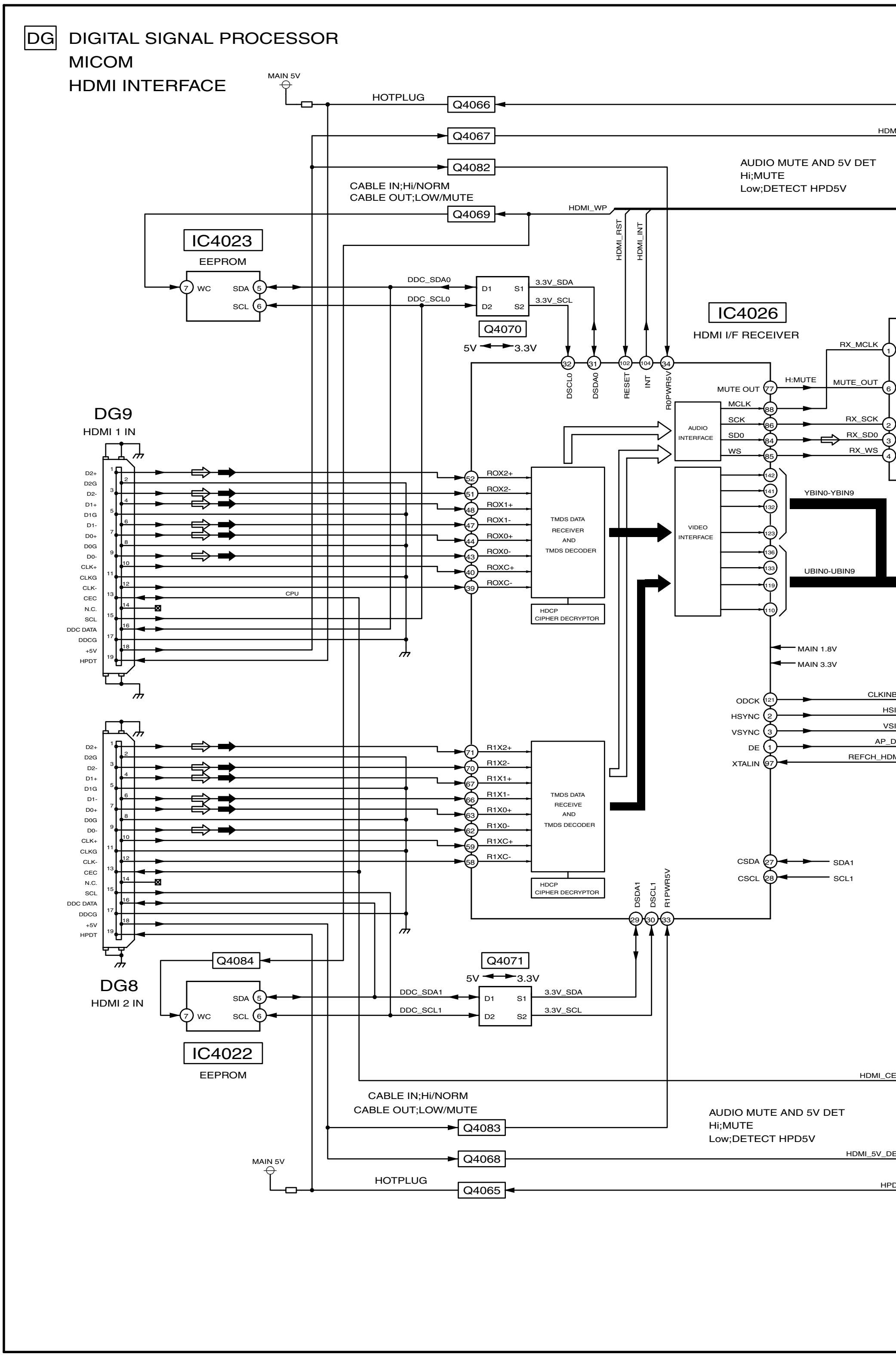

TU001
60E:ENG37A12GF
60B:ENGF7302GF
TUNER
PX60B ONLY
SUFFIX
AB
JS001
ERJ3GEY0R00V
PX60B ONLY
L018
J0JGC0000021
C007
16V
0.1u
C001
6.3V
1000u
JS012
0
C021
50V
100p
NC
BM
BT
RF_AGC
SCL
SDA
AFT
AUDIO_OUT
SIF_OUT
BTL
VIDEO_OUT
L017
J0JCC0000241
C002
50V
10u
C013
16V
0.1u
C019
50V
33p
SCL0B
R012
22
SDA0B
R013
22
C018
50V
33p
L021
ERJ3GEY0R00V
R014
220
C020
50V
0.01u
AFT1
PV60E
ONLY
L019
J0JCC0000241
AM
L012
J0JCC0000241
SIF
L008
J0JCC0000241
R011
270
C003
50V
10u
C009
50V
0.1u
L020
J0JGC0000021
R005
560
C016
16V
0.1u
TV_V1
R008
0
R010
470
R002
220
Q002
2SA207700L
R009
0
TV_V1_GND
TO
H-BOARD
(H5)
TA5
GND
SUB5V
GND
NC
NC
RFAGC1
GND
AFT1
GND
AM
GND
SIF
GND
TV_V1
TV_V1_GND
TO
H-BOARD
(H6)
TA6
SUB30V
GND
NC
GND
GND
NC
GND
SCL 0B
SDA 0B
SCL0B
SDA0B

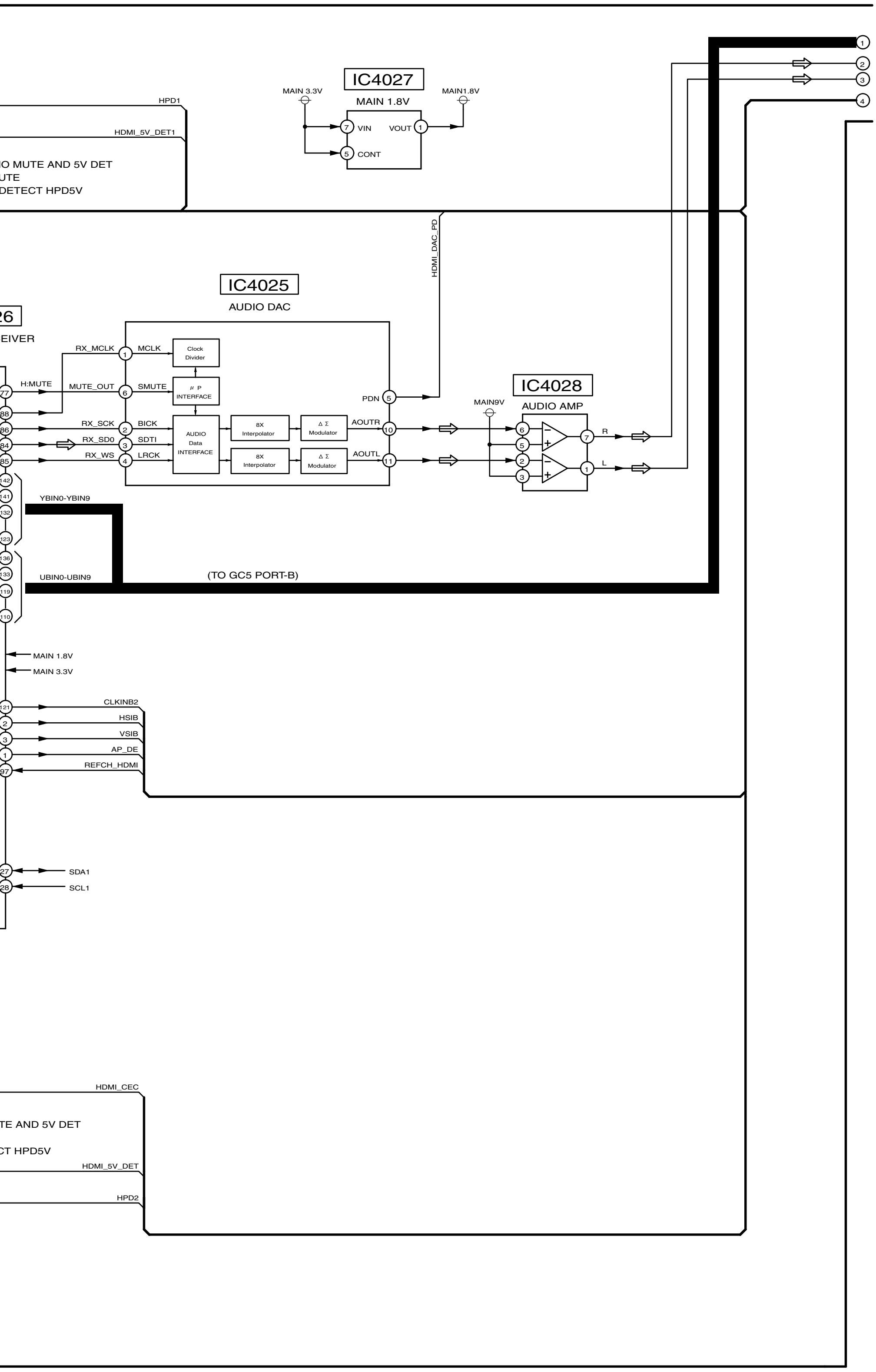
TA-BOARD TNPA3767 (PV60E)
TNPA3767AB (PX60B)


R3765
2.32k
R3757
1.74k
R3750
14.3k
R3751
6.65k
R3758
3.16k
R3768
0
R3767
3.16k
R3755
0
R3753
1.62k
R3754
2.32k
R3759
0
R3760
0
R3761
0
R3762
0
R3763
0
R3764
0
SW3753
EVQ11G05R
STR
SW3754
EVQ11G05R
F
SW3755
EVQ11G05R
-/
SW3756
EVQ11G05R
+/
SW3757
EVQ11G05R
TV/AV
C3751
50V
1000p
C3750
50V
1000p
GND
KEY
KEY2/KEYEDGE
GK3
TO
G-BOARD
(G3)

GK-BOARD TNPA3848AD

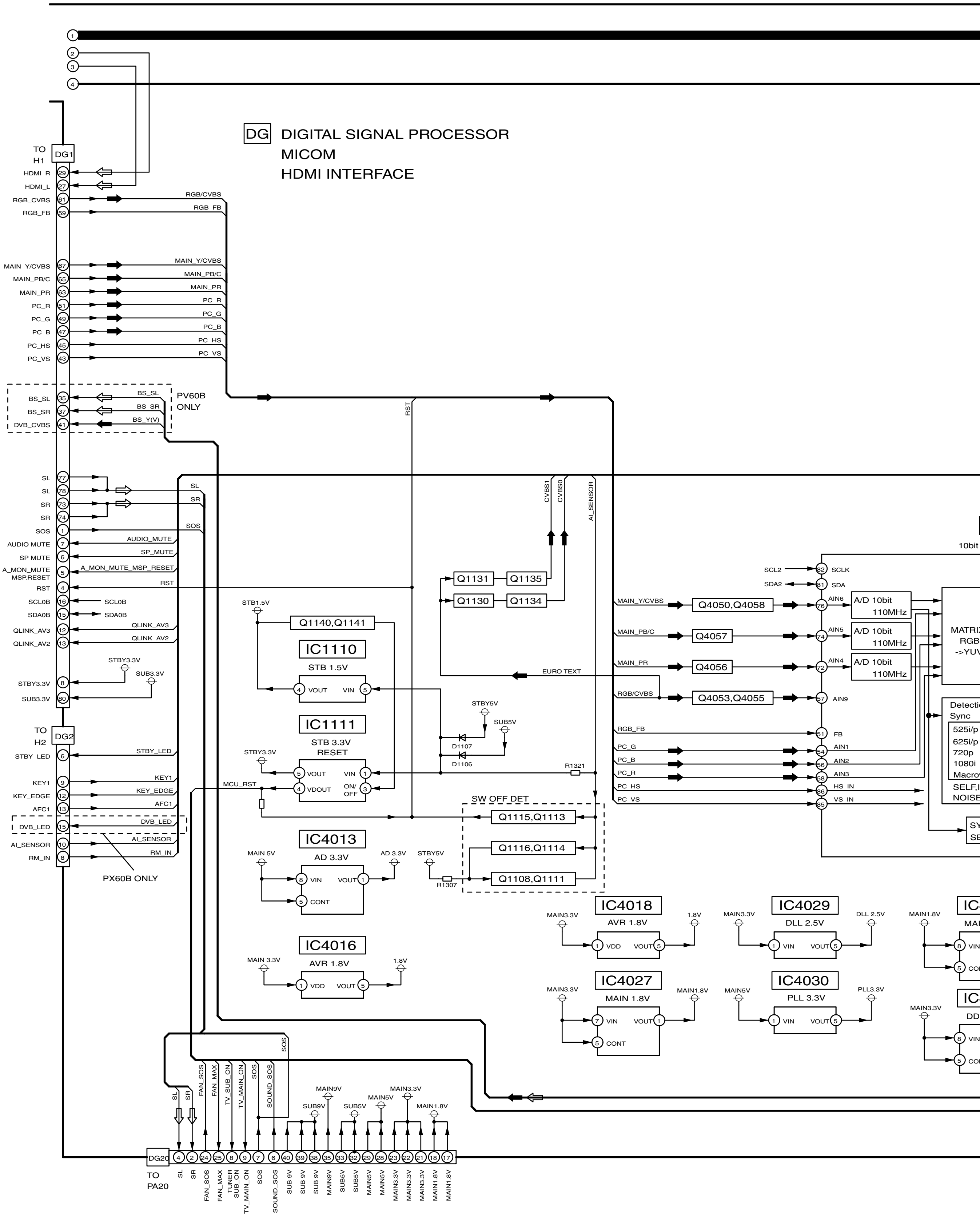
14.29. DG-Board (1 of 3) Block Diagram


DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
MAIN 5V
HOTPLUG
Q4066
Q4067
Q4082
Q4069
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V
HDMI_WP
HDMI_RST
HDMI_INT
IC4023
EEPROM
WC
SDA
SCL
DDC_SDA0
DDC_SCL0
D1
D2
S1
S2
3.3V_SDA
3.3V_SCL
Q4070
5V
3.3V
IC4026
HDMI I/F RECEIVER
DSCL0
DSDA0
RESET
INT
R0PWR5V
RX_MCLK
H:MUTE
MUTE OUT
MUTE_OUT
MCLK
SCK
SD0
WS
RX_SCK
RX_SD0
RX_WS
AUDIO INTERFACE
DG9
HDMI 1 IN
D2+
D2G
D2-
D1+
D1G
D1-
D0+
D0G
D0-
CLK+
CLKG
CLK-
CEC
N.C.
SCL
DDC DATA
DDCG
+5V
HPDT
CPU
ROX2+
ROX2-
ROX1+
ROX1-
ROX0+
ROX0-
ROXC+
ROXC-
TMDS DATA RECEIVER AND TMDS DECODER
HDCP CIPHER DECRYPTOR
VIDEO INTERFACE
YBIN0-YBIN9
UBIN0-UBIN9
MAIN 1.8V
MAIN 3.3V
ODCK
HSYNC
VSYNC
DE
XTALIN
CLKINB
HSI
VSI
AP_D
REFCH_HDM
R1X2+
R1X2-
R1X1+
R1X1-
R1X0+
R1X0-
R1XC+
R1XC-
TMDS DATA RECEIVE AND TMDS DECODER
CSDA
CSCL
SDA1
SCL1
DSDA1
DSCL1
R1PWR5V
Q4084
Q4071
DG8
HDMI 2 IN
DDC_SDA1
DDC_SCL1
IC4022
HDMI_CE
Q4083
Q4068
HDMI_5V_DE
Q4065
HPD

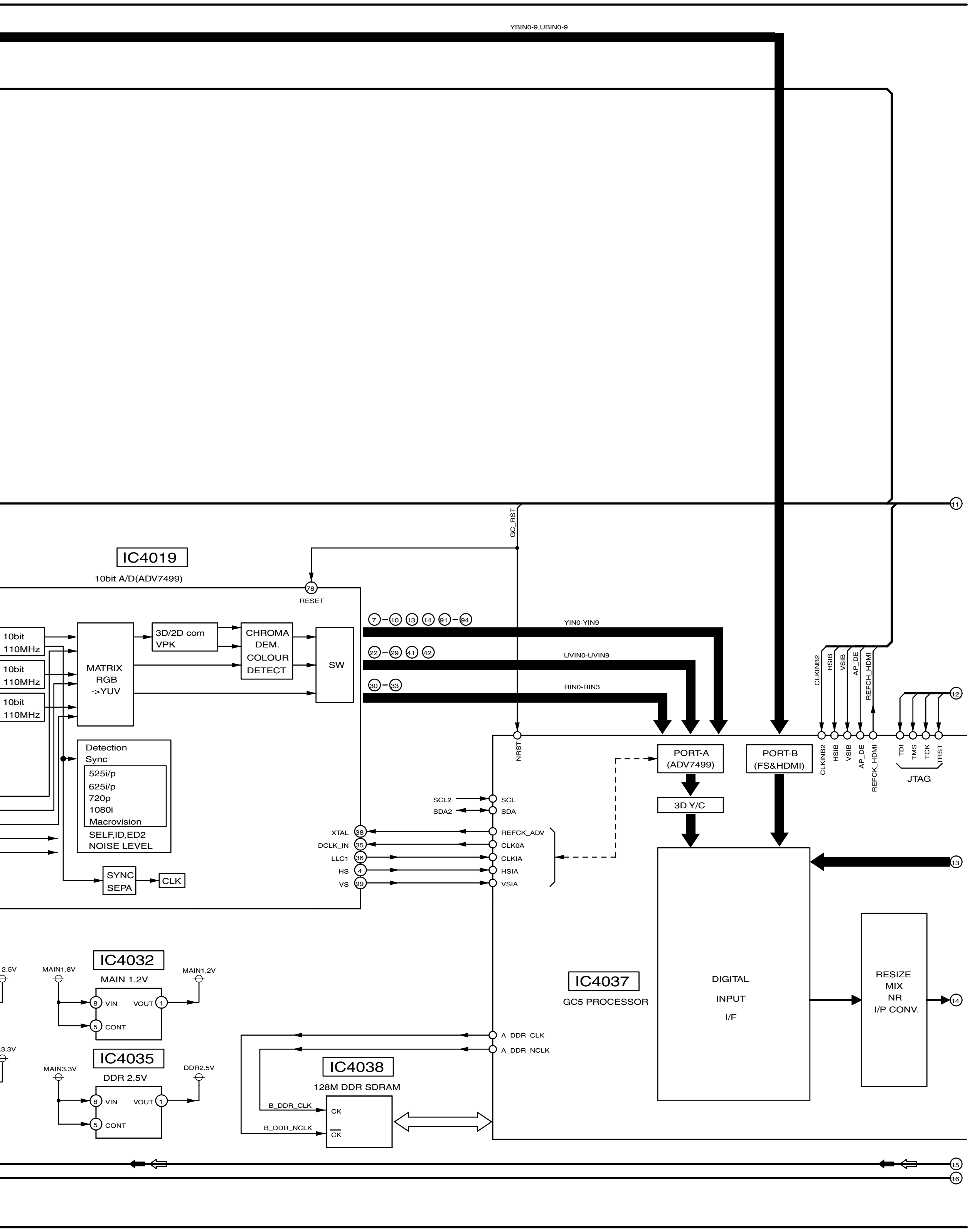

IC4027
MAIN 1.8V
MAIN 3.3V
MAIN1.8V
VIN
VOUT
CONT
HPD1
HDMI_5V_DET1
O MUTE AND 5V DET
UTE
DETECT HPD5V
HDMI_DAC_PD
IC4025
AUDIO DAC
26
EIVER
RX_MCLK
MCLK
Clock Divider
H:MUTE
MUTE_OUT
SMUTE
μ P INTERFACE
PDN
RX_SCK
BICK
RX_SD0
SDTI
RX_WS
LRCK
AUDIO Data INTERFACE
8X Interpolator
Δ Σ Modulator
AOUTR
AOUTL
IC4028
AUDIO AMP
MAIN9V
R
L
YBIN0-YBIN9
UBIN0-UBIN9
(TO GC5 PORT-B)
MAIN 1.8V
MAIN 3.3V
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
SDA1
SCL1
HDMI_CEC
TE AND 5V DET
CT HPD5V
HDMI_5V_DET
HPD2

TH-37/42PV60E, TH-37/42PX60B
DG-Board (1 of 3) Block Diagram

14.30. DG-Board (2 of 3) Block Diagram

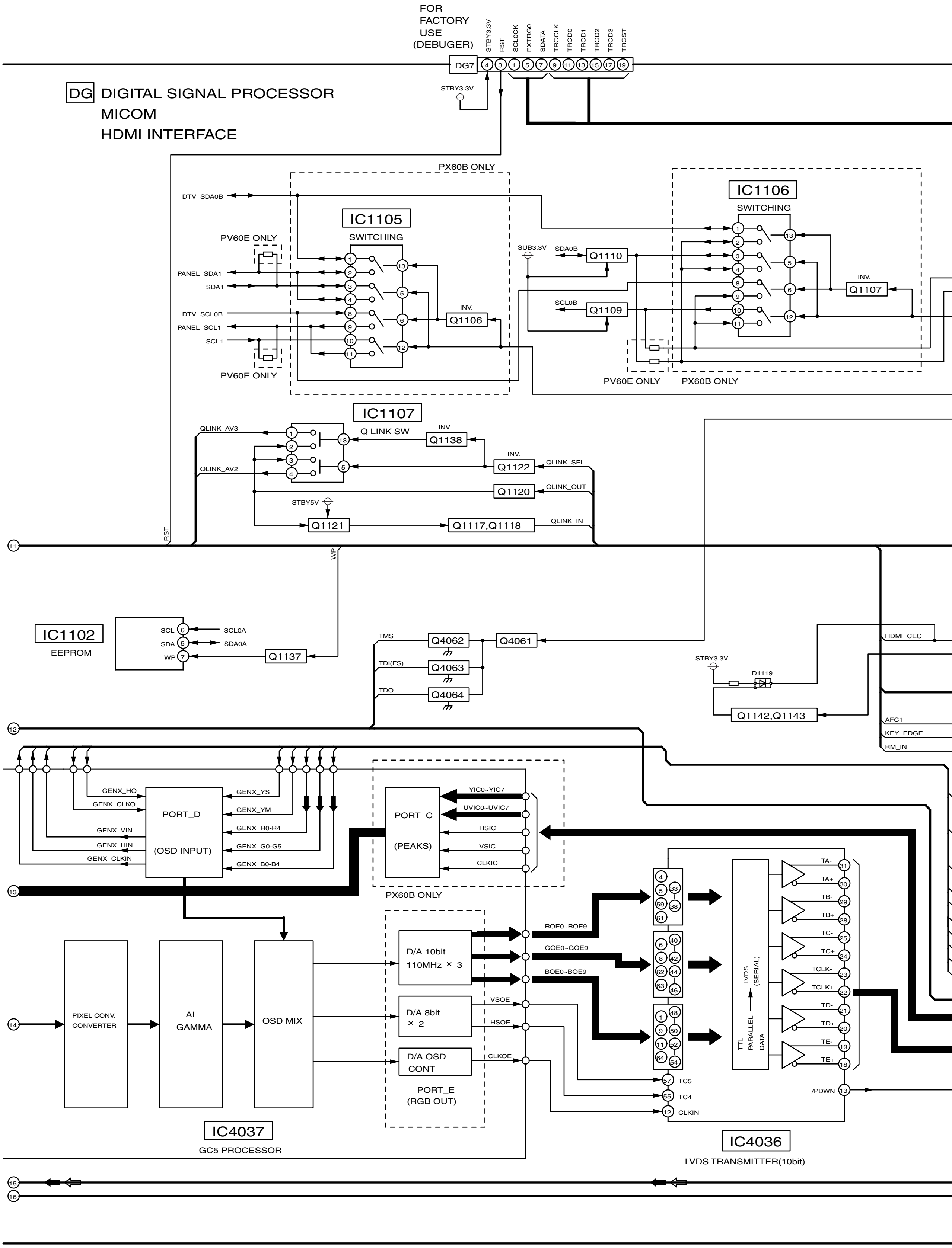

DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
TO H1
DG1
HDMI_R 29
HDMI_L 27
RGB_CVBS 61
RGB_FB 59
RGB/CVBS
RGB_FB
MAIN_Y/CVBS 67
MAIN_PB/C 65
MAIN_PR 63
PC_R 51
PC_G 49
PC_B 47
PC_HS 45
PC_VS 43
BS_SL 35
BS_SR 37
DVB_CVBS 41
BS_Y(V)
PV60B ONLY
SL 77
SL 78
SR 73
SR 74
SOS 1
AUDIO MUTE 7
SP MUTE 6
A_MON_MUTE _MSP.RESET 5
RST 4
SCL0B 16
SDA0B 15
QLINK_AV3 12
QLINK_AV2 13
STBY3.3V 8
SUB3.3V 80
AUDIO_MUTE
SP_MUTE
A_MON_MUTE_MSP_RESET
TO H2
DG2
STBY_LED 6
KEY1 9
KEY_EDGE 12
AFC1 13
DVB_LED 15
AI_SENSOR 10
RM_IN 8
PX60B ONLY
RST
CVBS1
CVBS0
AI_SENSOR
Q1131
Q1135
Q1130
Q1134
STB1.5V
Q1140,Q1141
IC1110
STB 1.5V
VOUT
VIN
IC1111
STB 3.3V
RESET
VDOUT
ON/OFF
MCU_RST
STBY3.3V
STBY5V
SUB5V
D1107
D1106
R1321
EURO TEXT
SW OFF DET
Q1115,Q1113
Q1116,Q1114
Q1108,Q1111
R1307
IC4013
AD 3.3V
MAIN 5V
CONT
IC4016
AVR 1.8V
MAIN 3.3V
1.8V
VDD
IC4018
AVR 1.8V
MAIN3.3V
IC4027
MAIN 1.8V
MAIN1.8V
IC4029
DLL 2.5V
DLL 2.5V
IC4030
PLL 3.3V
MAIN5V
PLL3.3V
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
RGB/CVBS
RGB_FB
PC_G
PC_B
PC_R
PC_HS
PC_VS
Q4050,Q4058
Q4057
Q4056
Q4053,Q4055
SCL2
SDA2
82 SCLK
81 SDA
76 AIN6
74 AIN5
72 AIN4
57 AIN9
51 FB
54 AIN1
56 AIN2
58 AIN3
86 HS_IN
85 VS_IN
A/D 10bit 110MHz
10bit
MATRI
RGB
->YU
Detecti
Sync
525i/p
625i/p
720p
1080i
Macrov
SELF,I
NOISE
SY
SE
IC
MAI
DD
TO PA20
DG20
SL
SR
FAN_SOS
FAN_MAX
TUNER SUB_ON
TV_SUB_ON
TV_MAIN_ON
SOS
SOUND_SOS
SUB 9V
MAIN9V
SUB5V
MAIN5V
MAIN3.3V
MAIN1.8V
SUB9V
4 2 24 25 8 9 7 6 40 39 38 35 33 32 29 28 23 22 21 18 17

TH-37/42PV60E, TH-37/42PX60B
DG-Board Block (2 of 3) Diagram

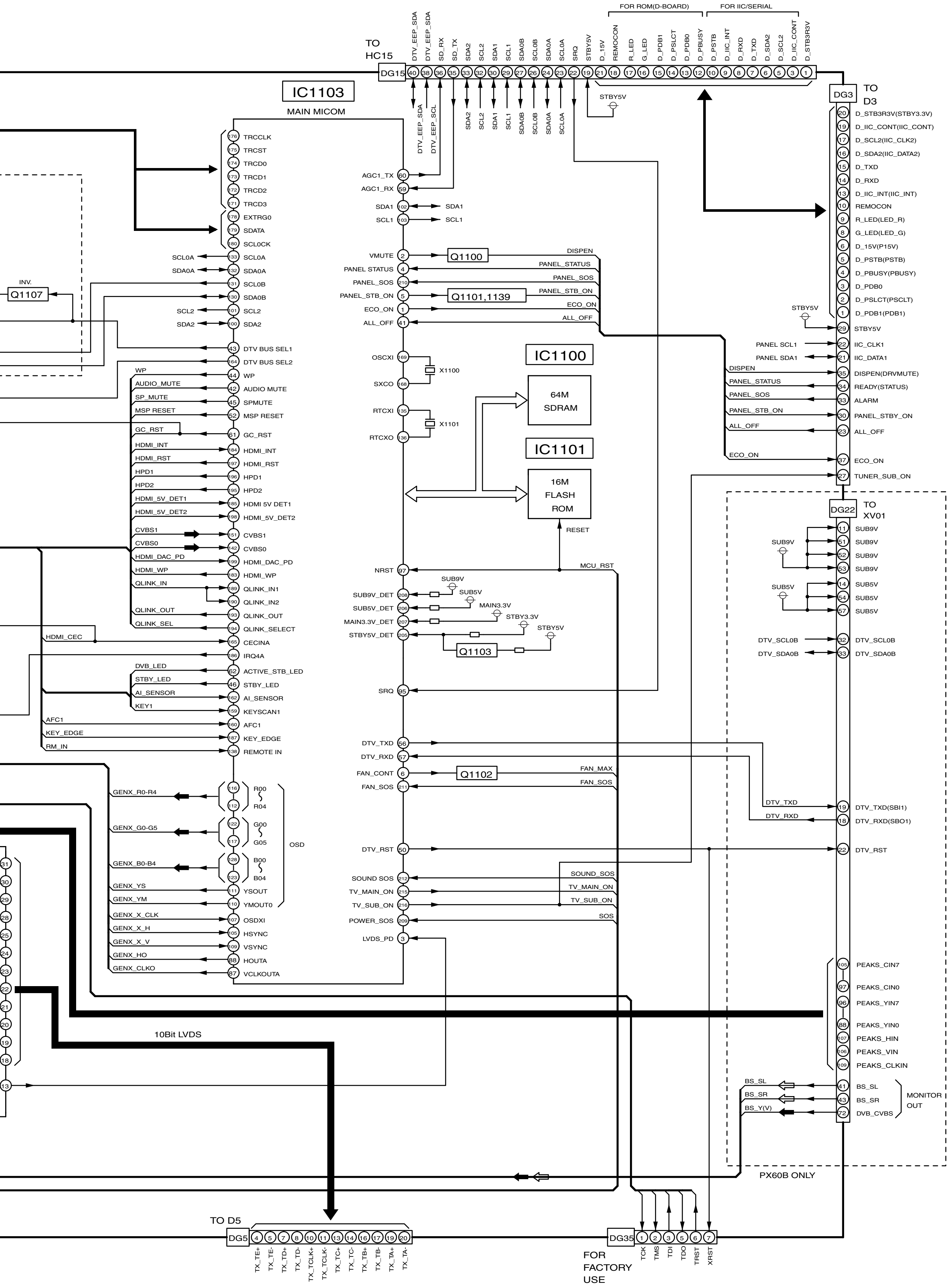

YBIN0-9,UBIN0-9
GC_RST
IC4019
10bit A/D(ADV7499)
78
RESET
7
10
13
14
91
94
22
29
41
42
30
33
YIN0-YIN9
UVIN0-UVIN9
RIN0-RIN3
10bit
110MHz
10bit
110MHz
10bit
110MHz
MATRIX
RGB
->YUV
3D/2D com
VPK
CHROMA
DEM.
COLOUR
DETECT
SW
Detection
Sync
525i/p
625i/p
720p
1080i
Macrovision
SELF,ID,ED2
NOISE LEVEL
SYNC
SEPA
CLK
XTAL
DCLK_IN
LLC1
HS
VS
38
35
36
4
99
SCL2
SDA2
SCL
SDA
REFCK_ADV
CLK0A
CLKIA
HSIA
VSIA
NRST
PORT-A
(ADV7499)
3D Y/C
PORT-B
(FS&HDMI)
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
CLKINB2
HSIB
VSIB
AP_DE
REFCK_HDMI
TDI
TMS
TCK
TRST
JTAG
11
12
13
14
15
16
DIGITAL
INPUT
I/F
RESIZE
MIX
NR
I/P CONV.
IC4037
GC5 PROCESSOR
A_DDR_CLK
A_DDR_NCLK
IC4038
128M DDR SDRAM
B_DDR_CLK
B_DDR_NCLK
CK
CK
IC4032
MAIN 1.2V
MAIN1.8V
MAIN1.2V
2.5V
VIN
VOUT
CONT
8
1
5
IC4035
DDR 2.5V
MAIN3.3V
DDR2.5V
3.3V
VIN
VOUT
CONT
8
1
5

TH-37/42PV60E, TH-37/42PX60B
DG-Board (2 of 3) Block Diagram

14.31. DG-Board (3 of 3) Block Diagram

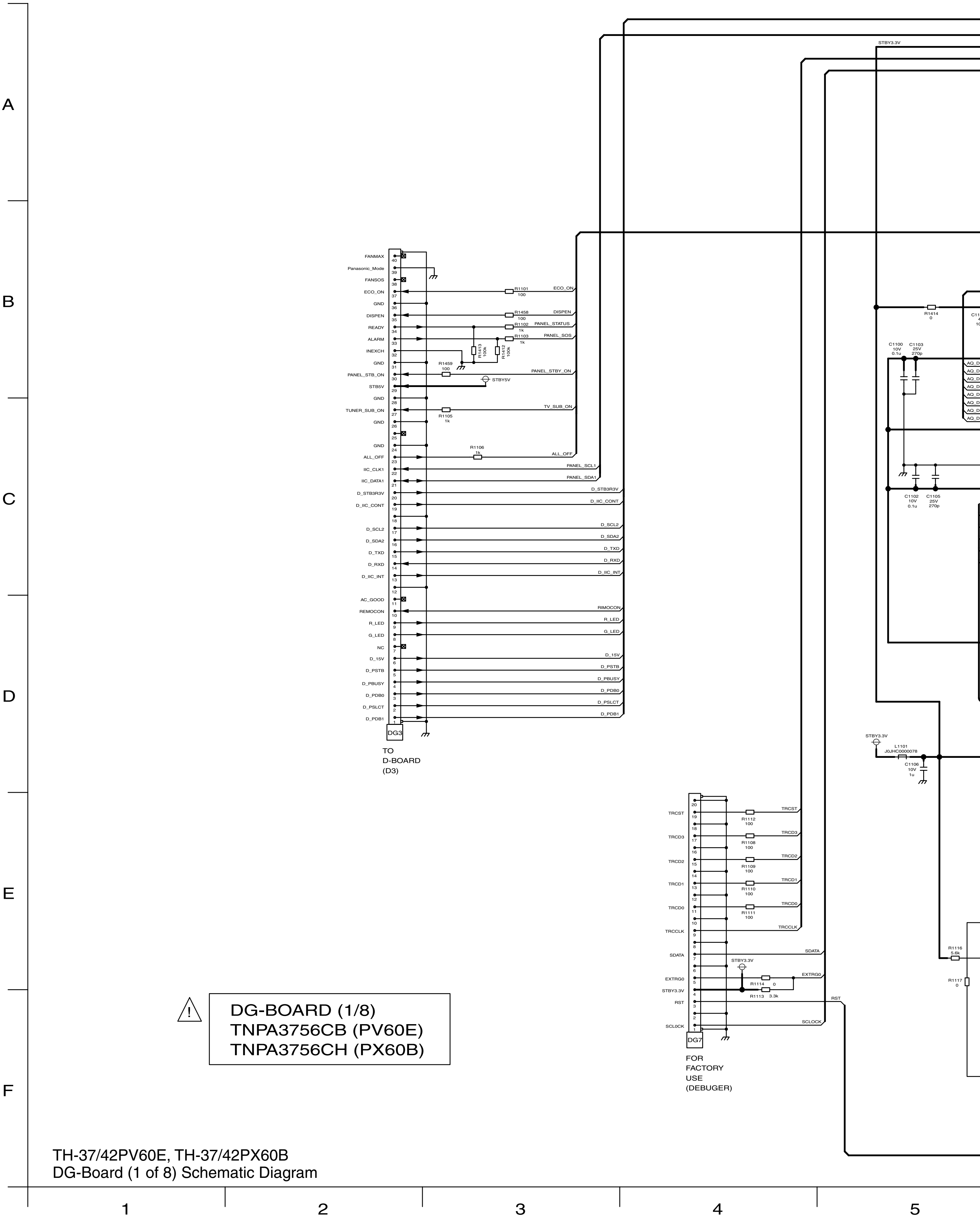

FOR FACTORY USE (DEBUGER)
DG7
STBY3.3V
RST
SCLOCK
EXTRG0
SDATA
TRCCLK
TRCD0
TRCD1
TRCD2
TRCD3
TRCST
DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
PX60B ONLY
DTV_SDA0B
IC1105
SWITCHING
PV60E ONLY
PANEL_SDA1
SDA1
DTV_SCL0B
PANEL_SCL1
SCL1
INV.
Q1106
SUB3.3V
SDA0B
Q1110
SCL0B
Q1109
IC1106
SWITCHING
Q1107
PV60E ONLY
PX60B ONLY
IC1107
Q LINK SW
QLINK_AV3
QLINK_AV2
Q1138
Q1122
QLINK_SEL
Q1120
QLINK_OUT
STBY5V
Q1121
Q1117,Q1118
QLINK_IN
RST
WP
IC1102
EEPROM
SCL
SDA
SCL0A
SDA0A
Q1137
TMS
TDI(FS)
TDO
Q4062
Q4063
Q4064
Q4061
HDMI_CEC
STBY3.3V
D1119
Q1142,Q1143
AFC1
KEY_EDGE
RM_IN
GENX_HO
GENX_CLKO
GENX_VIN
GENX_HIN
GENX_CLKIN
PORT_D
(OSD INPUT)
GENX_YS
GENX_YM
GENX_R0-R4
GENX_G0-G5
GENX_B0-B4
PORT_C
(PEAKS)
YIC0~YIC7
UVIC0~UVIC7
HSIC
VSIC
CLKIC
PX60B ONLY
D/A 10bit 110MHz × 3
D/A 8bit × 2
D/A OSD CONT
PORT_E (RGB OUT)
ROE0~ROE9
GOE0~GOE9
BOE0~BOE9
VSOE
HSOE
CLKOE
PIXEL CONV. CONVERTER
AI GAMMA
OSD MIX
IC4037
GC5 PROCESSOR
LVDS (SERIAL)
TTL PARALLEL DATA
TA-
TA+
TB-
TB+
TC-
TC+
TCLK-
TCLK+
TD-
TD+
TE-
TE+
/PDWN
TC5
TC4
CLKIN
IC4036
LVDS TRANSMITTER(10bit)
11
12
13
14
15
16

TH-37/42PV60E, TH-37/42PX60B
DG-Board Block (3 of 3) Diagram

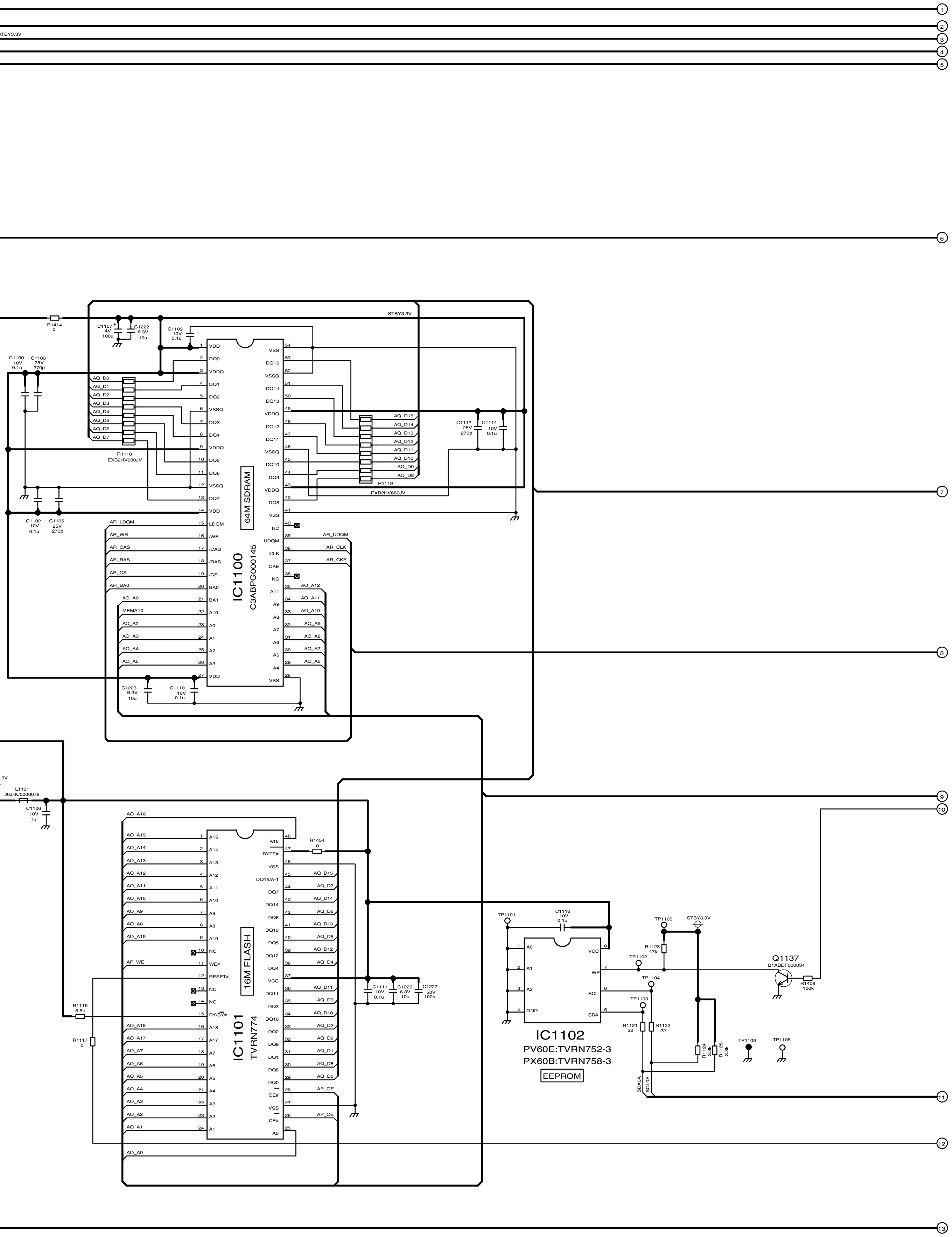

FOR ROM(D-BOARD)
FOR IIC/SERIAL
TO HC15
DG15
DTV_EEP_SDA
DTV_EEP_SDA
SD_RX
SD_TX
SDA2
SCL2
SDA1
SCL1
SDA0B
SCL0B
SDA0A
SCL0A
SRQ
STBY5V
D_15V
REMOCON
R_LED
G_LED
D_PDB1
D_PSLCT
D_PDB0
D_PBUSY
D_PSTB
D_IIC_INT
D_RXD
D_TXD
D_SDA2
D_SCL2
D_IIC_CONT
D_STB3R3V
TO D3
DG3
IC1103
MAIN MICOM
STBY5V
DTV_EEP_SDA
DTV_EEP_SCL
TRCCLK
TRCST
TRCD0
TRCD1
TRCD2
TRCD3
EXTRG0
SDATA
SCL0CK
SCL0A
SDA0A
SCL0B
SDA0B
SCL2
SDA2
DTV BUS SEL1
DTV BUS SEL2
WP
AUDIO MUTE
SPMUTE
MSP RESET
GC_RST
HDMI_INT
HDMI_RST
HPD1
HPD2
HDMI 5V DET1
HDMI_5V_DET2
CVBS1
CVBS0
HDMI_DAC_PD
HDMI_WP
QLINK_IN1
QLINK_IN2
QLINK_OUT
QLINK_SELECT
CECINA
IRQ4A
ACTIVE_STB_LED
STBY_LED
AI_SENSOR
KEYSCAN1
AFC1
KEY_EDGE
REMOTE IN
INV.
Q1107
WP
AUDIO_MUTE
SP_MUTE
MSP RESET
GC_RST
HDMI_INT
HDMI_RST
HPD1
HPD2
HDMI_5V_DET1
HDMI_5V_DET2
CVBS1
CVBS0
HDMI_DAC_PD
HDMI_WP
QLINK_IN
QLINK_OUT
QLINK_SEL
HDMI_CEC
DVB_LED
STBY_LED
AI_SENSOR
KEY1
AFC1
KEY_EDGE
RM_IN
AGC1_TX
AGC1_RX
SDA1
SCL1
VMUTE
PANEL STATUS
PANEL_SOS
PANEL_STB_ON
ECO_ON
ALL_OFF
Q1100
Q1101,1139
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STB_ON
ECO_ON
ALL_OFF
OSCXI
SXCO
RTCXI
RTCXO
X1100
X1101
IC1100
64M SDRAM
IC1101
16M FLASH ROM
RESET
MCU_RST
NRST
SUB9V_DET
SUB5V_DET
MAIN3.3V_DET
STBY5V_DET
SUB9V
SUB5V
MAIN3.3V
STBY3.3V
STBY5V
Q1103
SRQ
DTV_TXD
DTV_RXD
FAN_CONT
FAN_SOS
Q1102
FAN_MAX
FAN_SOS
GENX_R0-R4
GENX_G0-G5
GENX_B0-B4
GENX_YS
GENX_YM
GENX_X_CLK
GENX_X_H
GENX_X_V
GENX_HO
GENX_CLKO
R00
R04
G00
G05
B00
B04
OSD
YSOUT
YMOUT0
OSDXI
HSYNC
VSYNC
HOUTA
VCLKOUTA
DTV_RST
SOUND SOS
TV_MAIN_ON
TV_SUB_ON
POWER_SOS
LVDS_PD
SOUND_SOS
TV_MAIN_ON
TV_SUB_ON
SOS
10Bit LVDS
D_STB3R3V(STBY3.3V)
D_IIC_CONT(IIC_CONT)
D_SCL2(IIC_CLK2)
D_SDA2(IIC_DATA2)
D_TXD
D_RXD
D_IIC_INT(IIC_INT)
REMOCON
R_LED(LED_R)
G_LED(LED_G)
D_15V(P15V)
D_PSTB(PSTB)
D_PBUSY(PBUSY)
D_PDB0
D_PSLCT(PSCLT)
D_PDB1(PDB1)
STBY5V
STBY5V
PANEL SCL1
PANEL SDA1
IIC_CLK1
IIC_DATA1
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STB_ON
ALL_OFF
ECO_ON
DISPEN(DRVMUTE)
READY(STATUS)
ALARM
PANEL_STBY_ON
ALL_OFF
ECO_ON
TUNER_SUB_ON
DG22
TO XV01
SUB9V
SUB9V
SUB9V
SUB9V
SUB9V
SUB5V
SUB5V
SUB5V
SUB5V
DTV_SCL0B
DTV_SDA0B
DTV_SCL0B
DTV_SDA0B
DTV_TXD
DTV_RXD
DTV_TXD(SBI1)
DTV_RXD(SBO1)
DTV_RST
PEAKS_CIN7
PEAKS_CIN0
PEAKS_YIN7
PEAKS_YIN0
PEAKS_HIN
PEAKS_VIN
PEAKS_CLKIN
BS_SL
BS_SR
BS_Y(V)
BS_SL
BS_SR
DVB_CVBS
MONITOR OUT
PX60B ONLY
TO D5
DG5
TX_TE+
TX_TE-
TX_TD+
TX_TD-
TX_TCLK+
TX_TCLK-
TX_TC+
TX_TC-
TX_TB+
TX_TB-
TX_TA+
TX_TA-
DG35
TCK
TMS
TDI
TDO
TRST
XRST
FOR FACTORY USE

TH-37/42PV60E, TH-37/42PX60B
DG-Board (3 of 3) Block Diagram

14.32. DG-Board (1 of 8) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
STBY3.3V
FANMAX
Panasonic_Mode
FANSOS
ECO_ON
GND
DISPEN
READY
ALARM
INEXCH
PANEL_STB_ON
STB5V
TUNER_SUB_ON
ALL_OFF
IIC_CLK1
IIC_DATA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
AC_GOOD
REMOCON
R_LED
G_LED
NC
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
R1101 100
R1458 100
R1102 1k
R1103 1k
R1413 100k
R1412 100k
R1459 100
R1105 1k
R1106 1k
STBY5V
ECO_ON
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STBY_ON
TV_SUB_ON
ALL_OFF
PANEL_SCL1
PANEL_SDA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
RIMOCON
R_LED
G_LED
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
DG3
TO
D-BOARD
(D3)
R1414 0
C1100 10V 0.1u
C1103 25V 270p
C1102 10V 0.1u
C1105 25V 270p
STBY3.3V
L1101 J0JHC0000078
C1106 10V 1u
TRCST
TRCD3
TRCD2
TRCD1
TRCD0
TRCCLK
SDATA
EXTRG0
STBY3.3V
RST
SCL0CK
R1112 100
R1108 100
R1109 100
R1110 100
R1111 100
R1114 0
R1113 3.3k
STBY3.3V
TRCST
TRCD3
TRCD2
TRCD1
TRCD0
TRCCLK
SDATA
EXTRG0
RST
SCLOCK
DG7
FOR
FACTORY
USE
(DEBUGER)
R1116 5.6k
R1117 0
!

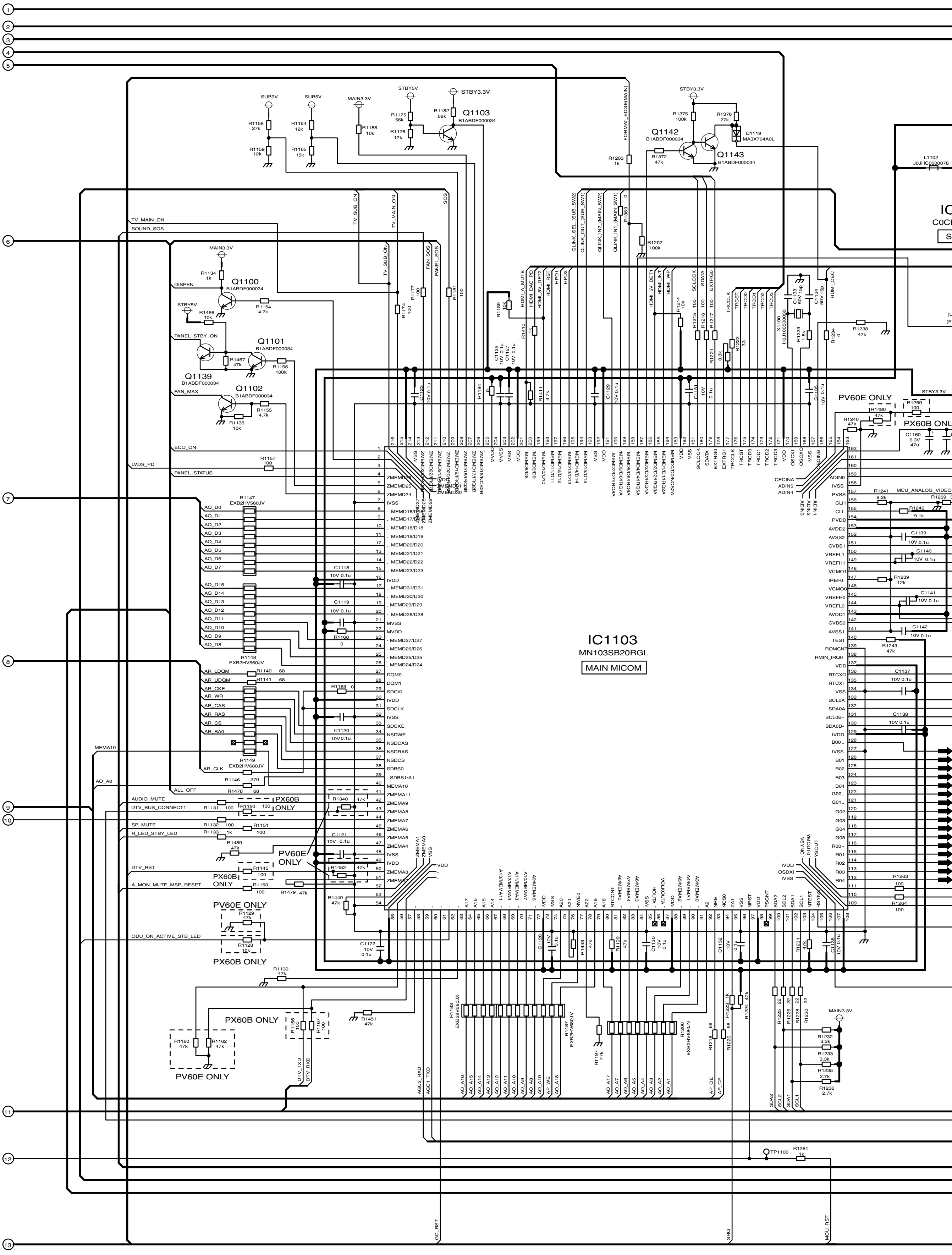
DG-BOARD (1/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)


STBY3.3V
R1414 0
C1107 4V 100u
C1222 6.3V 10u
C1109 10V 0.1u
C1100 10V 0.1u
C1103 25V 270p
AQ_D0
AQ_D1
AQ_D2
AQ_D3
AQ_D4
AQ_D5
AQ_D6
AQ_D7
R1118 EXB2HV680JV
C1102 10V 0.1u
C1105 25V 270p
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
VDDQ
DQ5
DQ6
VSSQ
DQ7
VDD
LDQM
/WE
/CAS
/RAS
/CS
BA0
BA1
A10
A0
A1
A2
A3
VDD
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
64M SDRAM
IC1100
C3ABPG000145
AQ_D15
AQ_D14
AQ_D13
AQ_D12
AQ_D11
AQ_D10
AQ_D9
AQ_D8
R1119 EXB2HV680JV
C1112 25V 270p
C1114 10V 0.1u
AR_LDQM
AR_WR
AR_CAS
AR_RAS
AR_CS
AR_BA0
AO_A0
MEMA10
AO_A2
AO_A3
AO_A4
AO_A5
AR_UDQM
AR_CLK
AR_CKE
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A7
AO_A6
C1223 6.3V 10u
C1110 10V 0.1u
L1101 J0JHC0000078
C1106 10V 1u
AO_A16
AO_A15
AO_A14
AO_A13
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A19
AP_WE
AO_A18
AO_A17
AO_A7
AO_A6
AO_A5
AO_A4
AO_A3
AO_A2
AO_A1
AO_A0
R1116 5.6k
R1117 0
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC
WE#
RESET#
NC
NC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE#
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
VSS
CE#
A0
16M FLASH
IC1101
TVRN774
R1454 0
AQ_D15
AQ_D7
AQ_D14
AQ_D6
AQ_D13
AQ_D5
AQ_D12
AQ_D4
AQ_D11
AQ_D3
AQ_D10
AQ_D2
AQ_D9
AQ_D1
AQ_D8
AQ_D0
AP_OE
AP_CE
C1111 10V 0.1u
C1226 6.3V 10u
C1227 50V 100p
TP1101
C1116 10V 0.1u
TP1105
STBY3.3V
R1123 47k
TP1102
TP1104
TP1103
A0
A1
A2
GND
VCC
WP
SCL
SDA
IC1102
PV60E:TVRN752-3
PX60B:TVRN758-3
EEPROM
Q1137 B1ABDF000034
R1408 100k
R1121 22
R1122 22
R1124 3.3k
R1125 3.3k
TP1109
TP1108
SDA0A
SCL0A
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

TH-37/42PV60E, TH-37/42PX60B DG-Board (1 of 8) Schematic Diagram

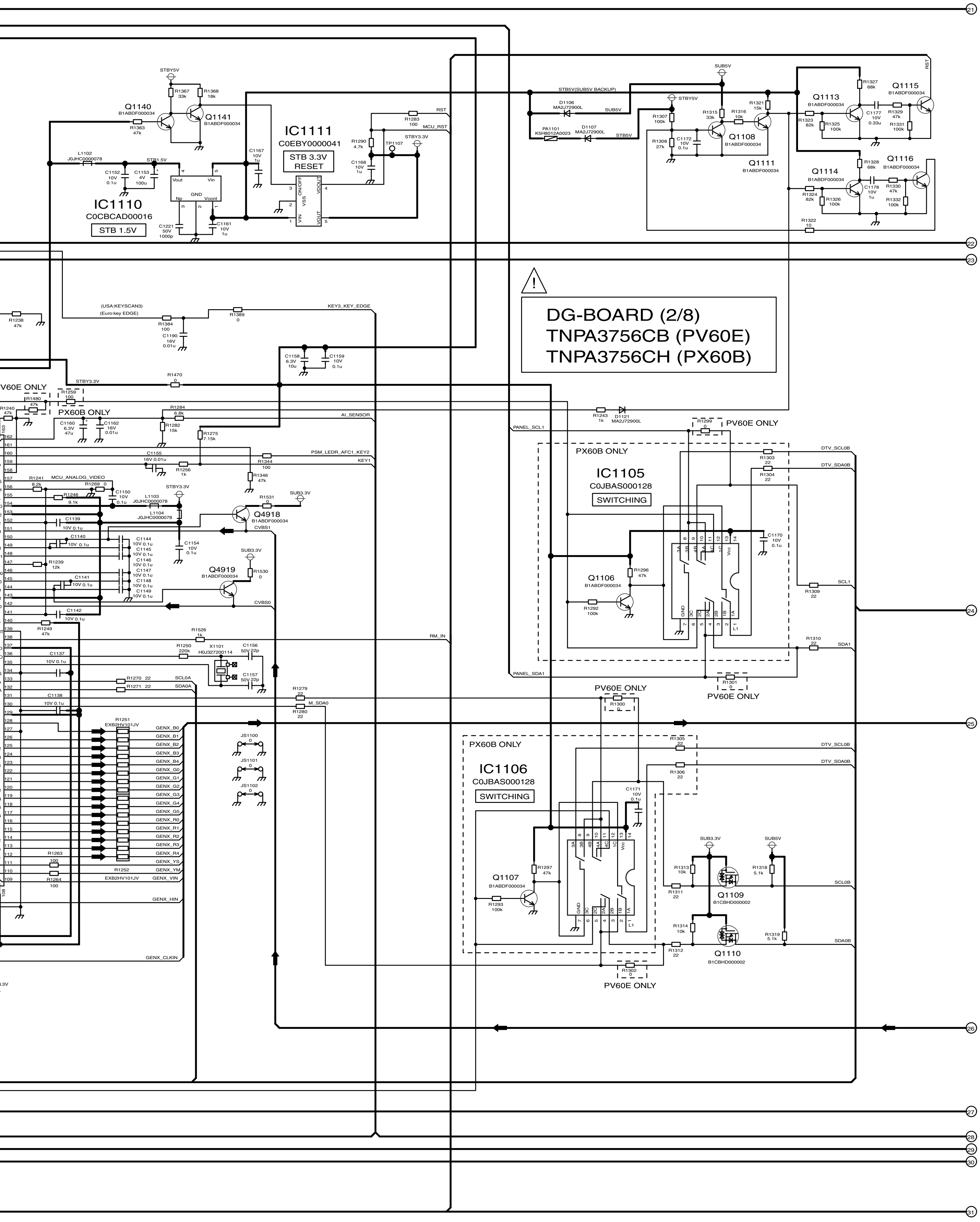
5 6 7 8 9

14.33. DG-Board (2 of 8) Schematic Diagram


IC1103
MN103SB20RGL
MAIN MICOM
Q1100
B1ABDF000034
Q1101
Q1102
Q1103
Q1139
Q1142
Q1143
D1119
MA3X704A0L
L1102
J0JHC0000078
STBY3.3V
STBY5V
MAIN3.3V
SUB9V
SUB5V
TV_MAIN_ON
SOUND_SOS
DISPEN
PANEL_STBY_ON
FAN_MAX
ECO_ON
LVDS_PD
PANEL_STATUS
MEMA10
AO_A0
ALL_OFF
AUDIO_MUTE
DTV_BUS_CONNECT1
SP_MUTE
R_LED_STBY_LED
DTV_RST
A_MON_MUTE_MSP_RESET
ODU_ON_ACTIVE_STB_LED
PV60E ONLY
PX60B ONLY
TP1106
IIC_RST
SIRQ
MCU_RST
1
2
3
4
5
6
7
8
9
10
11
12
13

TH-37/42PV60E, TH-37/42PX60B DG-Board (2 of 8) Schematic Diagram

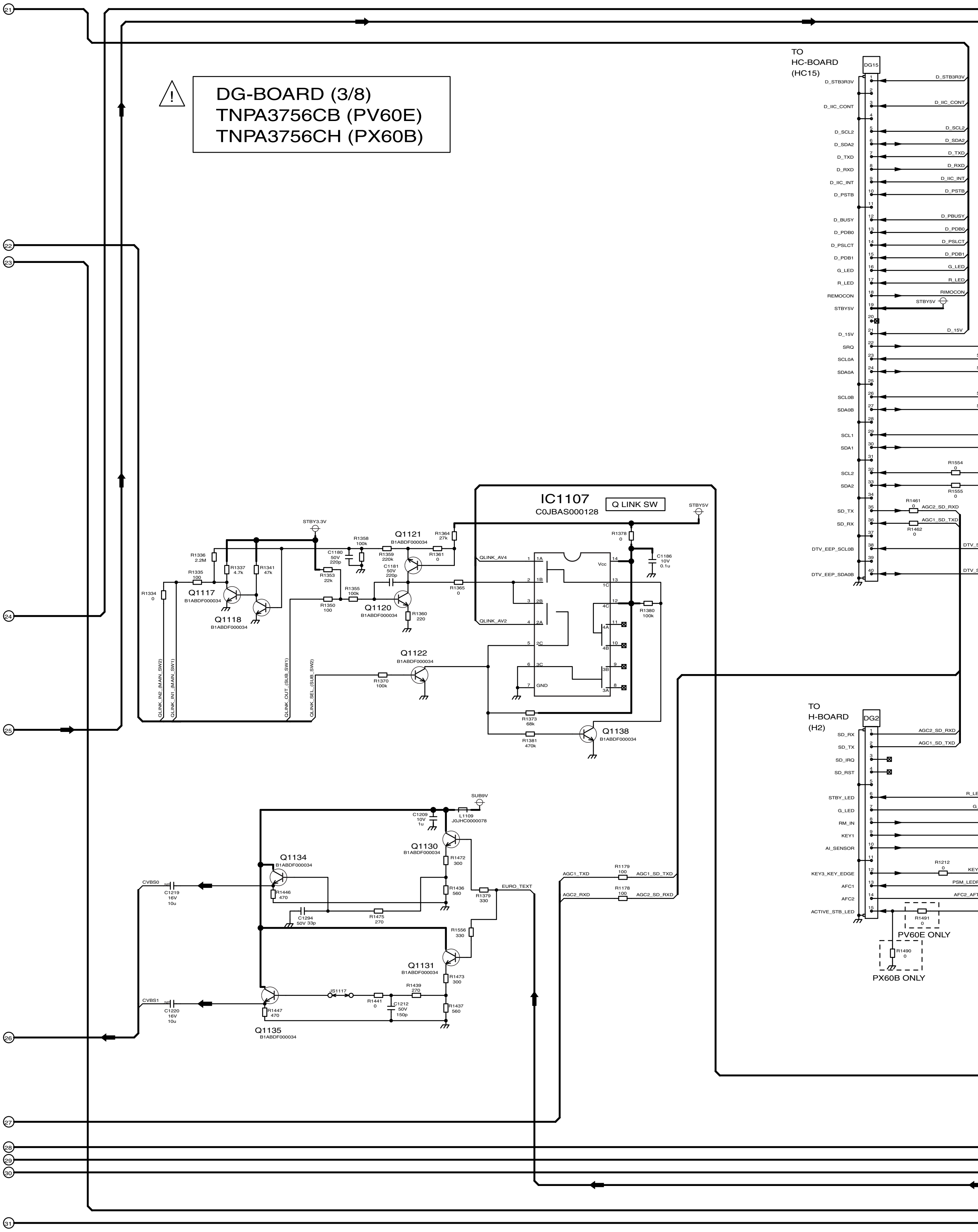
10 11 12 13 14


DG-BOARD (2/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
IC1110
C0CBCAD00016
STB 1.5V
IC1111
C0EBY0000041
STB 3.3V RESET
Q1140
Q1141
L1102
STBY5V
STB1.5V
STBY3.3V
TP1107
RST
MCU_RST
SUB5V
STB5V(SUB5V BACKUP)
D1106
D1107
PA1101
Q1108
Q1111
Q1113
Q1114
Q1115
Q1116
KEY3_KEY_EDGE
(USA:KEYSCAN3)
(Euro:key EDGE)
PV60E ONLY
PX60B ONLY
AI_SENSOR
PSM_LEDR_AFC1_KEY2
KEY1
MCU_ANALOG_VIDEO
SUB3.3V
Q4918
Q4919
CVBS1
CVBS0
RM_IN
X1101
SCL0A
SDA0A
M_SDA0
GENX_B0
GENX_B1
GENX_B2
GENX_B3
GENX_B4
GENX_G0
GENX_G1
GENX_G2
GENX_G3
GENX_G4
GENX_G5
GENX_R0
GENX_R1
GENX_R2
GENX_R3
GENX_R4
GENX_YS
GENX_YM
GENX_VIN
GENX_HIN
GENX_CLKIN
JS1100
JS1101
JS1102
PANEL_SCL1
PANEL_SDA1
IC1105
C0JBAS000128
SWITCHING
Q1106
IC1106
C0JBAS000128
SWITCHING
Q1107
Q1109
Q1110
DTV_SCL0B
DTV_SDA0B
SCL1
SDA1
SCL0B
SDA0B
21
22
23
24
25
26
27
28
29
30
31

TH-37/42PV60E, TH-37/42PX60B DG-Board (2 of 8) Schematic Diagram

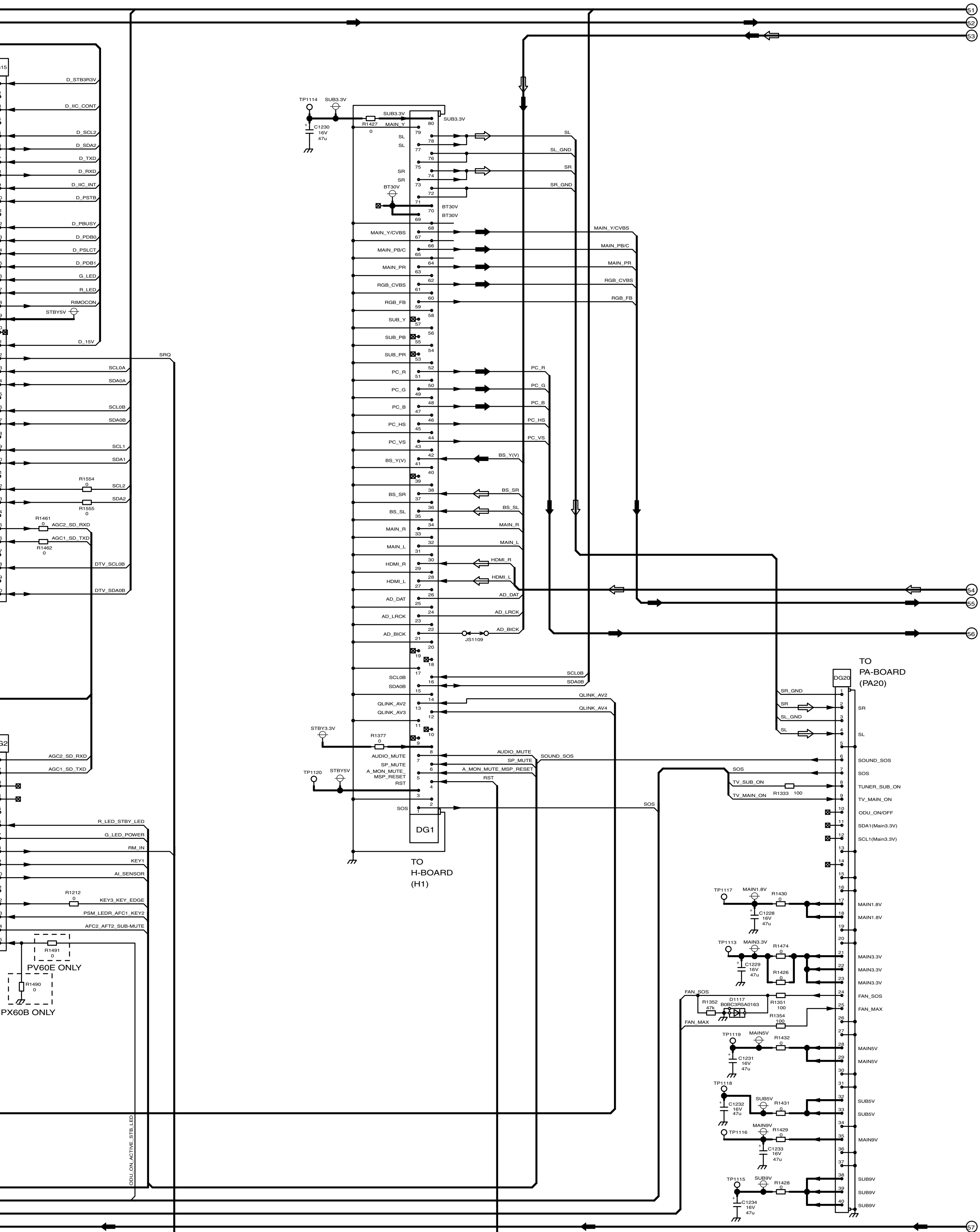
14
15
16
17
18

14.34. DG-Board (3 of 8) Schematic Diagram



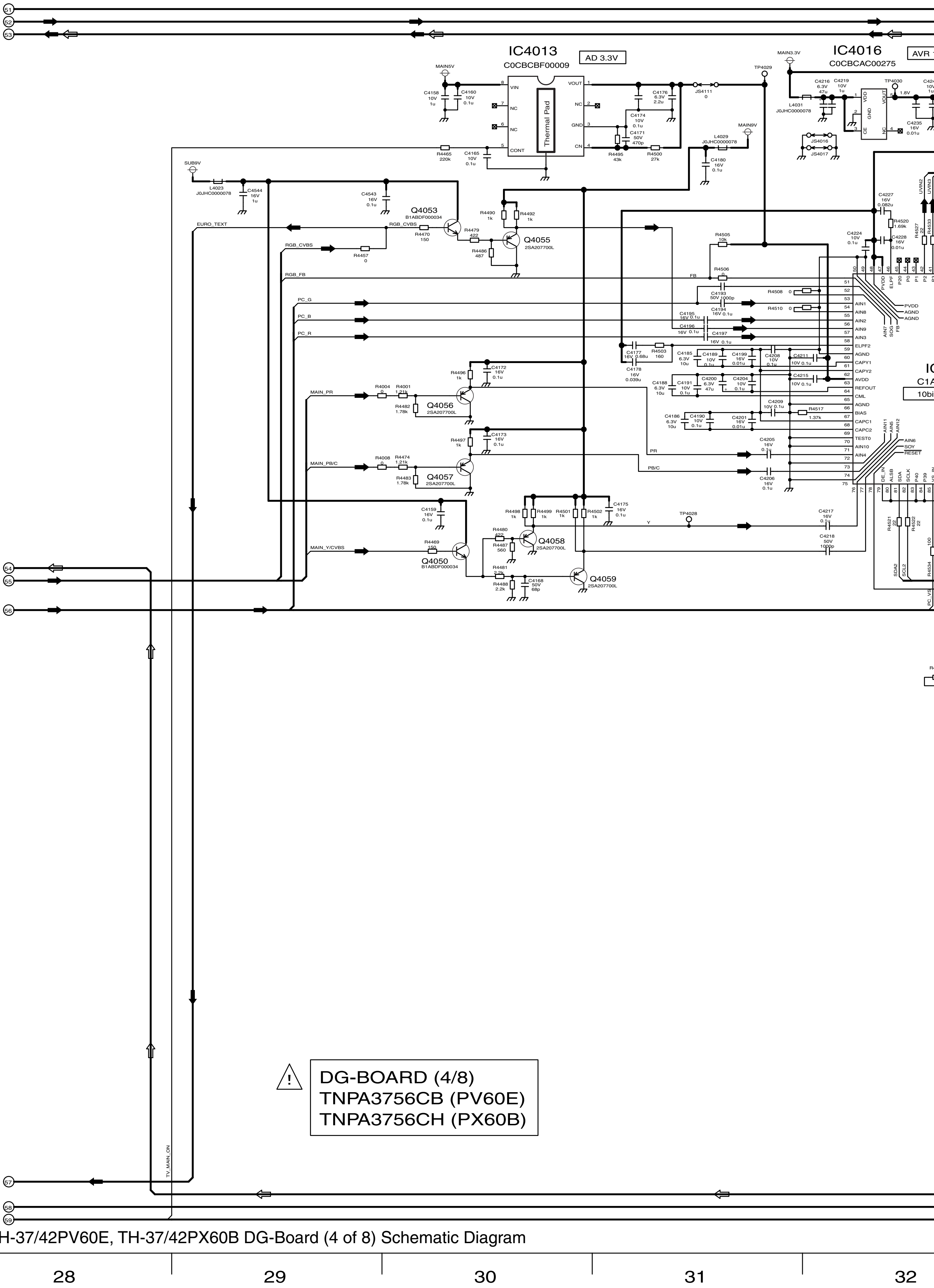
DG-BOARD (3/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
21
22
23
24
25
26
27
28
29
30
31
TO
HC-BOARD
(HC15)
DG15
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_BUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
STBY5V
D_15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_TX
SD_RX
DTV_EEP_SCL0B
DTV_EEP_SDA0B
D_PBUSY
RIMOCON
R1554
R1555
R1461
R1462
AGC2_SD_RXD
AGC1_SD_TXD
IC1107
C0JBAS000128
Q LINK SW
STBY5V
STBY3.3V
QLINK_AV4
QLINK_AV2
1A
1B
2B
2A
2C
3C
GND
Vcc
1C
4C
4A
4B
3B
3A
R1378
C1186 10V 0.1u
R1380 100k
Q1121 B1ABDF000034
Q1117 B1ABDF000034
Q1118 B1ABDF000034
Q1120 B1ABDF000034
Q1122 B1ABDF000034
Q1138 B1ABDF000034
R1336 2.2M
R1335 100
R1334 0
R1337 4.7k
R1341 47k
R1358 100k
R1364 27k
R1361 0
R1359 220k
C1180 50V 220p
C1181 50V 220p
R1353 22k
R1355 100k
R1350 100
R1365 0
R1360 220
R1370 100k
R1373 68k
R1381 470k
QLINK_IN2_(MAIN_SW2)
QLINK_IN1_(MAIN_SW1)
QLINK_OUT_(SUB_SW1)
QLINK_SEL_(SUB_SW2)
TO
H-BOARD
(H2)
DG2
SD_RX
SD_TX
SD_IRQ
SD_RST
STBY_LED
G_LED
RM_IN
KEY1
AI_SENSOR
KEY3_KEY_EDGE
AFC1
AFC2
ACTIVE_STB_LED
AGC2_SD_RXD
AGC1_SD_TXD
R1212 0
PSM_LED
R1491 0
PV60E ONLY
R1490 0
PX60B ONLY
AGC1_TXD
AGC2_RXD
R1179 100
R1178 100
AGC1_SD_TXD
AGC2_SD_RXD
EURO_TEXT
SUB9V
C1209 10V 1u
L1109 J0JHC0000078
Q1130 B1ABDF000034
Q1134 B1ABDF000034
Q1131 B1ABDF000034
Q1135 B1ABDF000034
R1472 300
R1436 560
R1379 330
R1446 470
R1475 270
C1294 50V 33p
R1556 330
R1473 300
R1437 560
R1439 270
R1441 0
C1212 50V 150p
JS1117
R1447 470
CVBS0
C1219 16V 10u
CVBS1
C1220 16V 10u

TH-37/42PV60E, TH-37/42PX60B DG-Board (3 of 8) Schematic Diagram


DG1
TO
H-BOARD
(H1)
DG20
TO
PA-BOARD
(PA20)
SUB3.3V
MAIN_Y
SL
SR
BT30V
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
RGB_CVBS
RGB_FB
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_G
PC_B
PC_HS
PC_VS
BS_Y(V)
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_R
HDMI_L
AD_DAT
AD_LRCK
AD_BICK
SCL0B
SDA0B
QLINK_AV2
QLINK_AV3
QLINK_AV4
AUDIO_MUTE
SP_MUTE
A_MON_MUTE_MSP_RESET
RST
SOS
SOUND_SOS
TV_SUB_ON
TV_MAIN_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
MAIN1.8V
MAIN3.3V
FAN_SOS
FAN_MAX
MAIN5V
SUB5V
MAIN9V
SUB9V
SR_GND
SL_GND
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
RIMOCON
STBY5V
D_15V
SRQ
SCL0A
SDA0A
SCL1
SDA1
SCL2
SDA2
AGC2_SD_RXD
AGC1_SD_TXD
DTV_SCL0B
DTV_SDA0B
R_LED_STBY_LED
G_LED_POWER
RM_IN
KEY1
AI_SENSOR
KEY3_KEY_EDGE
PSM_LEDR_AFC1_KEY2
AFC2_AFT2_SUB-MUTE
ODU_ON_ACTIVE_STB_LED
PV60E ONLY
PX60B ONLY
R1491
R1490
R1212
R1554
R1555
R1461
R1462
R1427
R1377
R1333
R1430
R1474
R1426
R1351
R1352
R1354
D1117
B0BC3R5A0163
R1432
R1431
R1429
R1428
C1230
C1228
C1229
C1231
C1232
C1233
C1234
16V
47u
TP1114
TP1120
TP1117
TP1113
TP1119
TP1118
TP1116
TP1115
JS1109
STBY3.3V
(51)
(52)
(53)
(54)
(55)
(56)
(57)
(58)
(59)

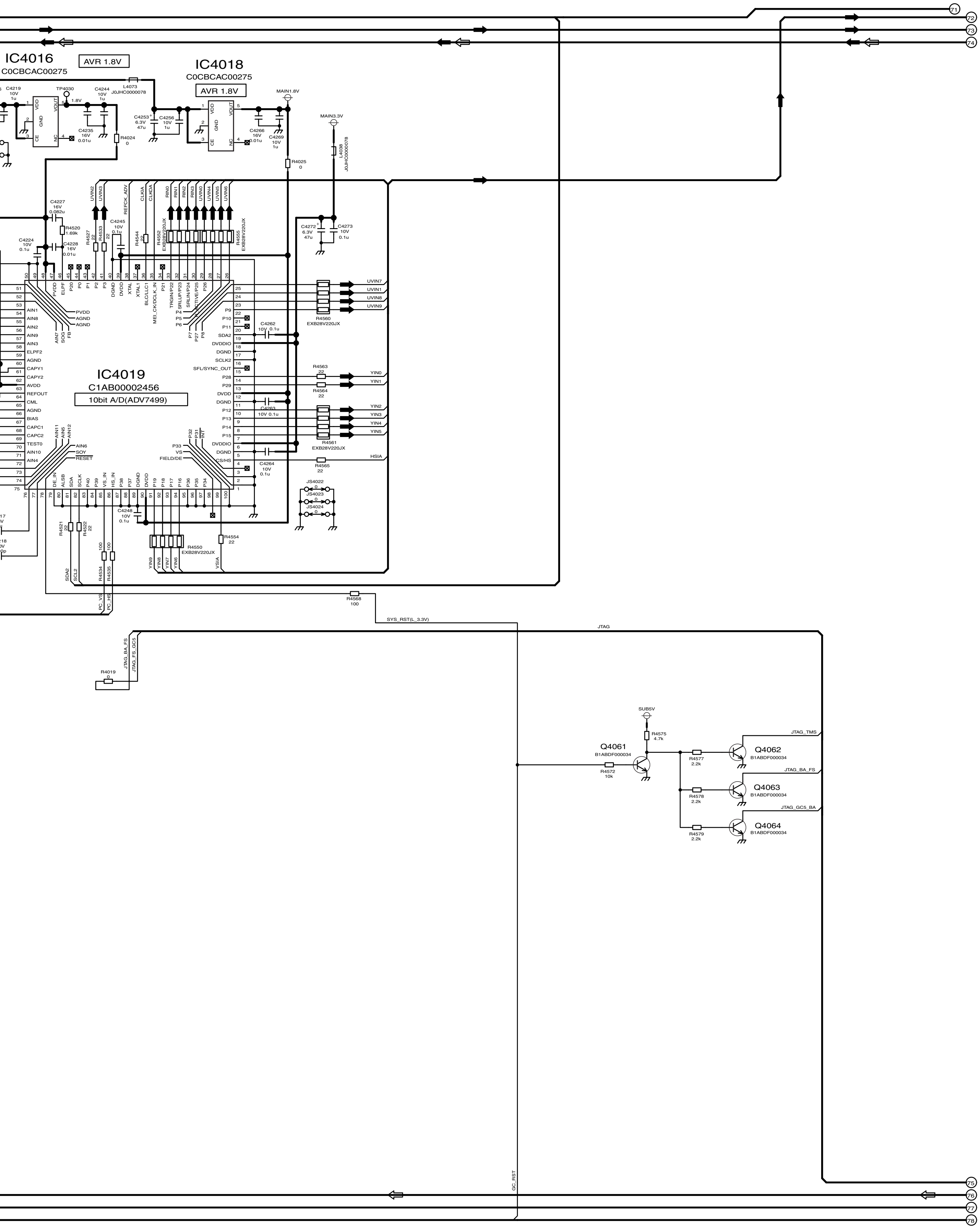
TH-37/42PV60E, TH-37/42PX60B DG-Board (3 of 8) Schematic Diagram

14.35. DG-Board (4 of 8) Schematic Diagram


51
52
53
54
55
56
57
58
59
IC4013
C0CBCBF00009
AD 3.3V
Thermal Pad
VIN
NC
NC
CONT
VOUT
NC
GND
CN
MAIN5V
MAIN9V
MAIN3.3V
SUB9V
IC4016
C0CBCAC00275
AVR
TP4029
TP4030
TP4028
JS4111
JS4016
JS4017
L4023
J0JHC0000078
L4029
J0JHC0000078
L4031
J0JHC0000078
Q4053
B1ABDF000034
Q4055
2SA207700L
Q4056
2SA207700L
Q4057
2SA207700L
Q4058
2SA207700L
Q4059
2SA207700L
Q4050
B1ABDF000034
EURO_TEXT
RGB_CVBS
RGB_FB
PC_G
PC_B
PC_R
MAIN_PR
MAIN_PB/C
MAIN_Y/CVBS
TV_MAIN_ON
FB
PR
PB/C
Y
PVDD
AGND
AIN1
AIN8
AIN2
AIN9
AIN3
ELPF2
CAPY1
CAPY2
AVDD
REFOUT
CML
BIAS
CAPC1
CAPC2
TEST0
AIN10
AIN4
AIN6
SOY
RESET
AIN7
SOG
ELPF
AIN11
AIN5
AIN12
DE_IN
ALSB
SDA
SCLK
SDA2
SCL2
PC_VS
UVIN2
UVIN3
10bi
C1A
28
29
30
31
32

⚠ DG-BOARD (4/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)

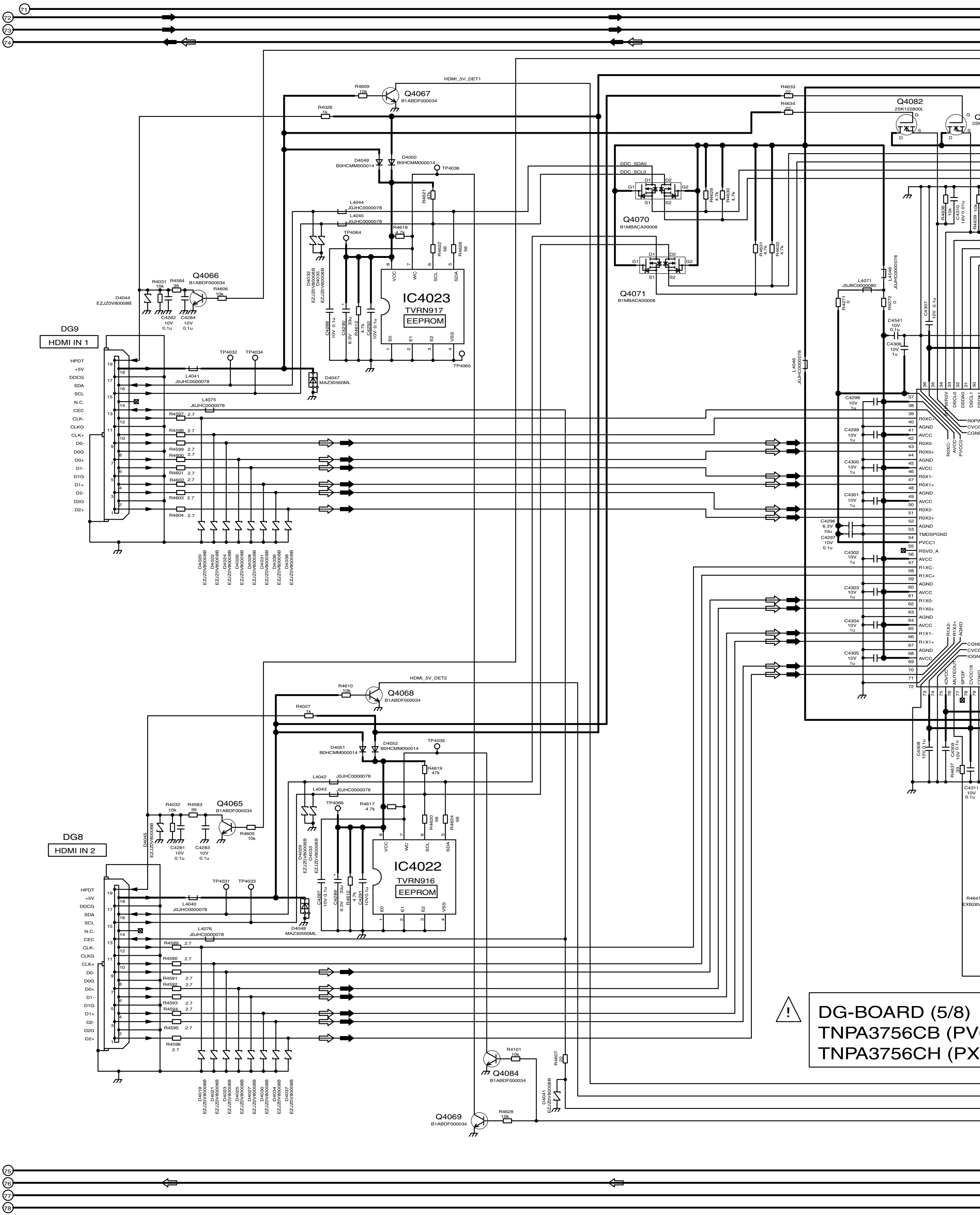
TH-37/42PV60E, TH-37/42PX60B DG-Board (4 of 8) Schematic Diagram


IC4016
C0CBCAC00275
AVR 1.8V
IC4018
C0CBCAC00275
AVR 1.8V
TP4030
L4073
J0JHC0000078
C4219
C4244
C4235
C4253
C4256
R4024
C4266
C4269
MAIN1.8V
MAIN3.3V
L4026
J0JHC0000078
R4025
C4227
R4520
C4224
C4228
R4527
R4533
C4245
R4544
R4552
EXB28V220JX
R4555
EXB28V220JX
C4272
C4273
UVIN2
UVIN3
REFCK_ADV
CLK1A
CLK2A
RIN0
RIN1
RIN2
RIN3
UVIN0
UVIN4
UVIN5
UVIN6
UVIN7
UVIN1
UVIN8
UVIN9
R4560
EXB28V220JX
C4262
R4563
R4564
YIN0
YIN1
C4263
YIN2
YIN3
YIN4
YIN5
R4561
EXB28V220JX
HSIA
R4565
C4264
JS4022
JS4023
JS4024
IC4019
C1AB00002456
10bit A/D(ADV7499)
C4248
R4521
R4522
R4534
R4535
R4550
EXB28V220JX
R4554
YIN9
YIN8
YIN7
YIN6
VSIA
SDA0
SCL2
PC_VS
PC_HS
R4568
100
SYS_RST(L_3.3V)
JTAG
JTAG_BA_FS
JTAG_FS_GC5
R4019
SUB5V
R4575
4.7k
Q4061
B1ABDF000034
R4572
10k
R4577
2.2k
R4578
2.2k
R4579
2.2k
Q4062
B1ABDF000034
Q4063
B1ABDF000034
Q4064
B1ABDF000034
JTAG_TMS
JTAG_BA_FS
JTAG_GC5_BA
GC_RST
71
72
73
74
75
76
77
78

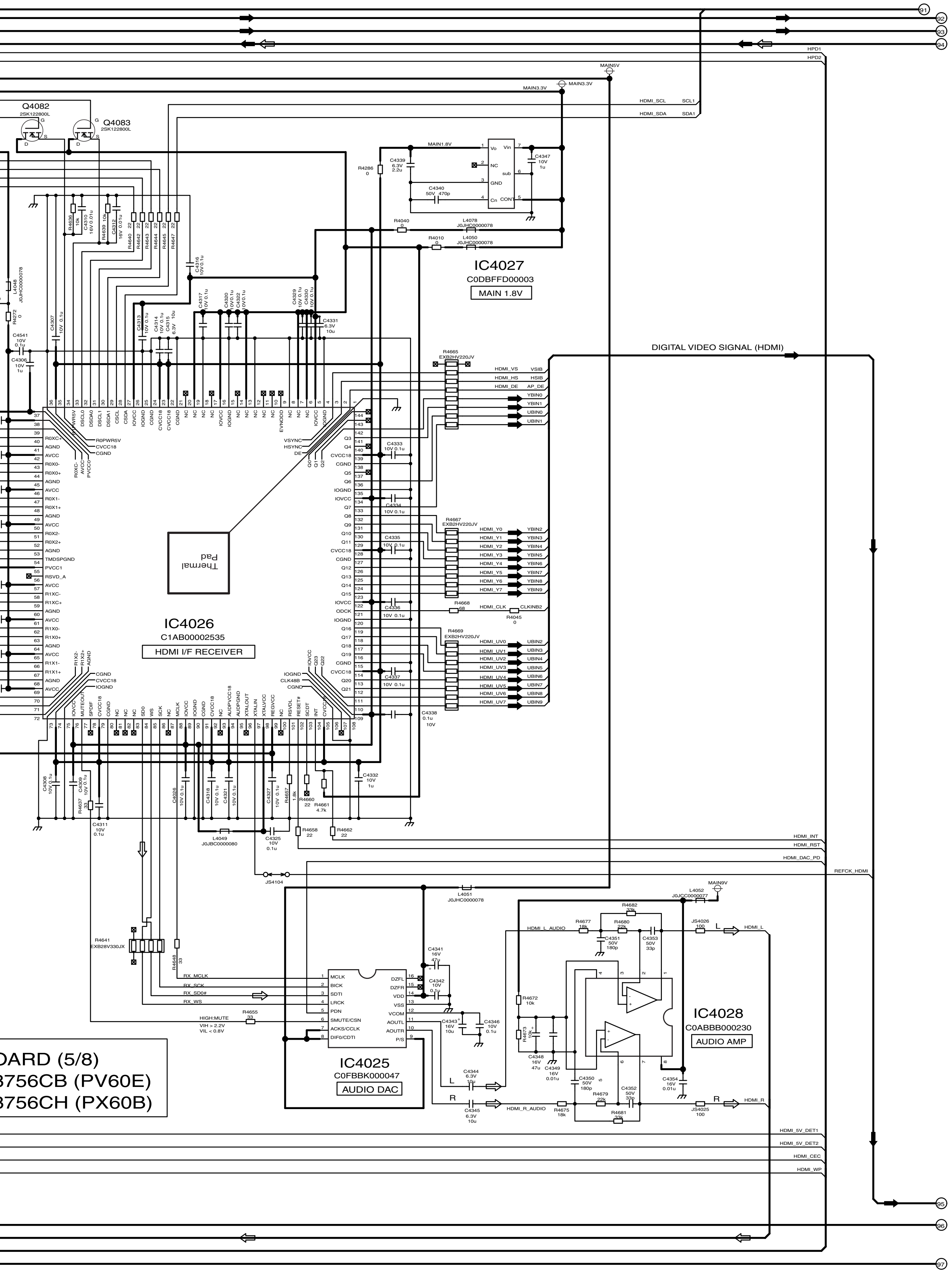
TH-37/42PV60E, TH-37/42PX60B DG-Board (4 of 8) Schematic Diagram

32 33 34 35 36

14.36. DG-Board (5 of 8) Schematic Diagram

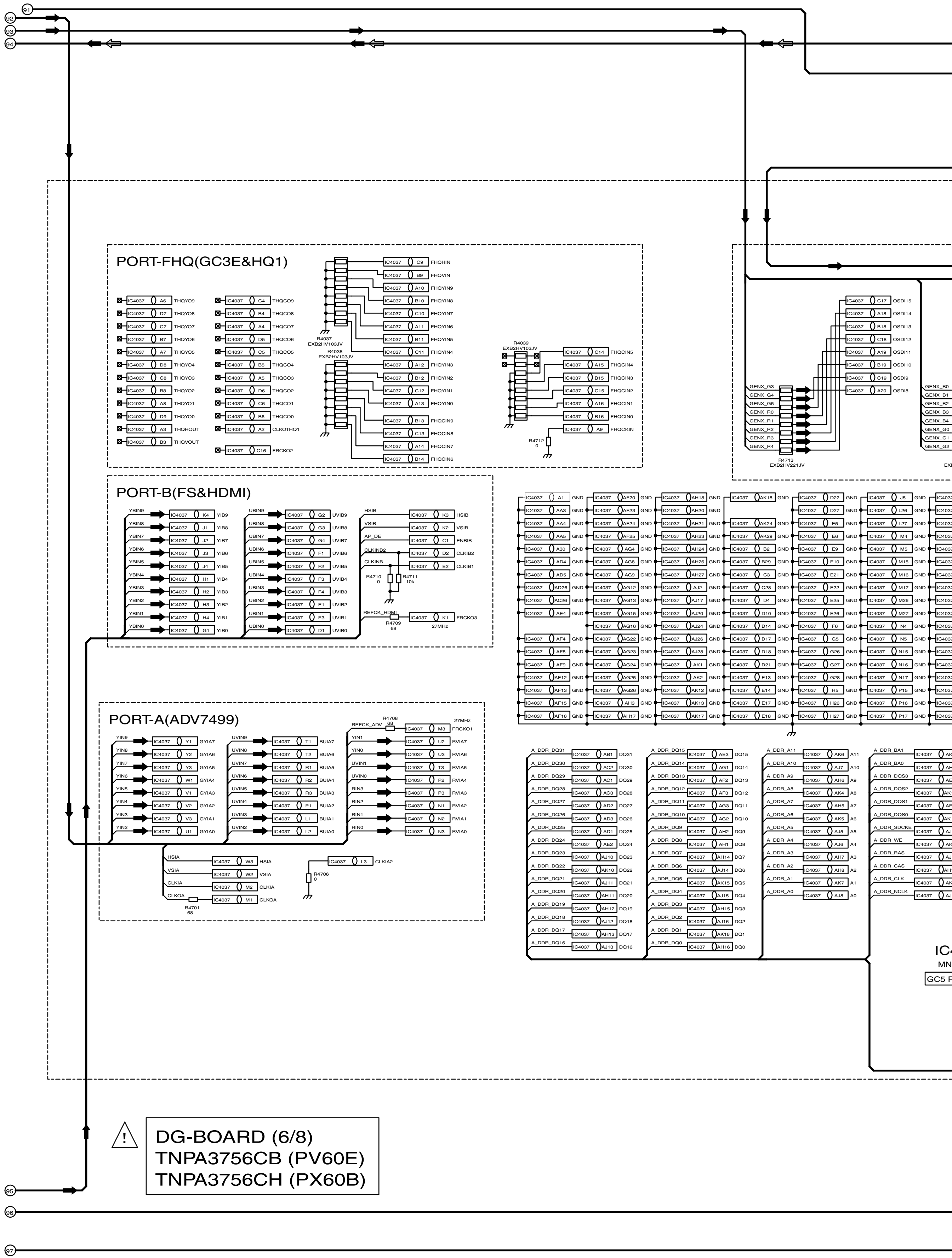

71
72
73
74
75
76
77
78
HDMI_5V_DET1
HDMI_5V_DET2
Q4067
B1ABDF000034
Q4068
Q4066
Q4065
Q4069
Q4084
Q4070
B1MBACA00008
Q4071
Q4082
2SK122800L
IC4023
TVRN917
EEPROM
IC4022
TVRN916
DG9
HDMI IN 1
DG8
HDMI IN 2
HPDT
+5V
DDCG
SDA
SCL
N.C.
CEC
CLK-
CLKG
CLK+
D0-
D0G
D0+
D1-
D1G
D1+
D2-
D2G
D2+
DDC_SDA0
DDC_SCL0
D4047
MAZ30560ML
D4048
D4049
D4050
D4051
D4052
B0HCMM000014
TP4036
TP4035
TP4064
TP4065
TP4066
TP4031
TP4032
TP4033
TP4034
VCC
WC
SCL
SDA
E0
E1
E2
VSS
R0XC-
AGND
AVCC
R0X0-
R0X0+
R0X1-
R0X1+
R0X2-
R0X2+
TMDSPGND
PVCC1
RSVD_A
R1XC-
R1XC+
R1X0-
R1X0+
R1X1-
R1X1+
DG-BOARD (5/8)
TNPA3756CB (PV
TNPA3756CH (PX

TH-37/42PV60E, TH-37/42PX60B DG-Board (5 of 8) Schematic Diagram

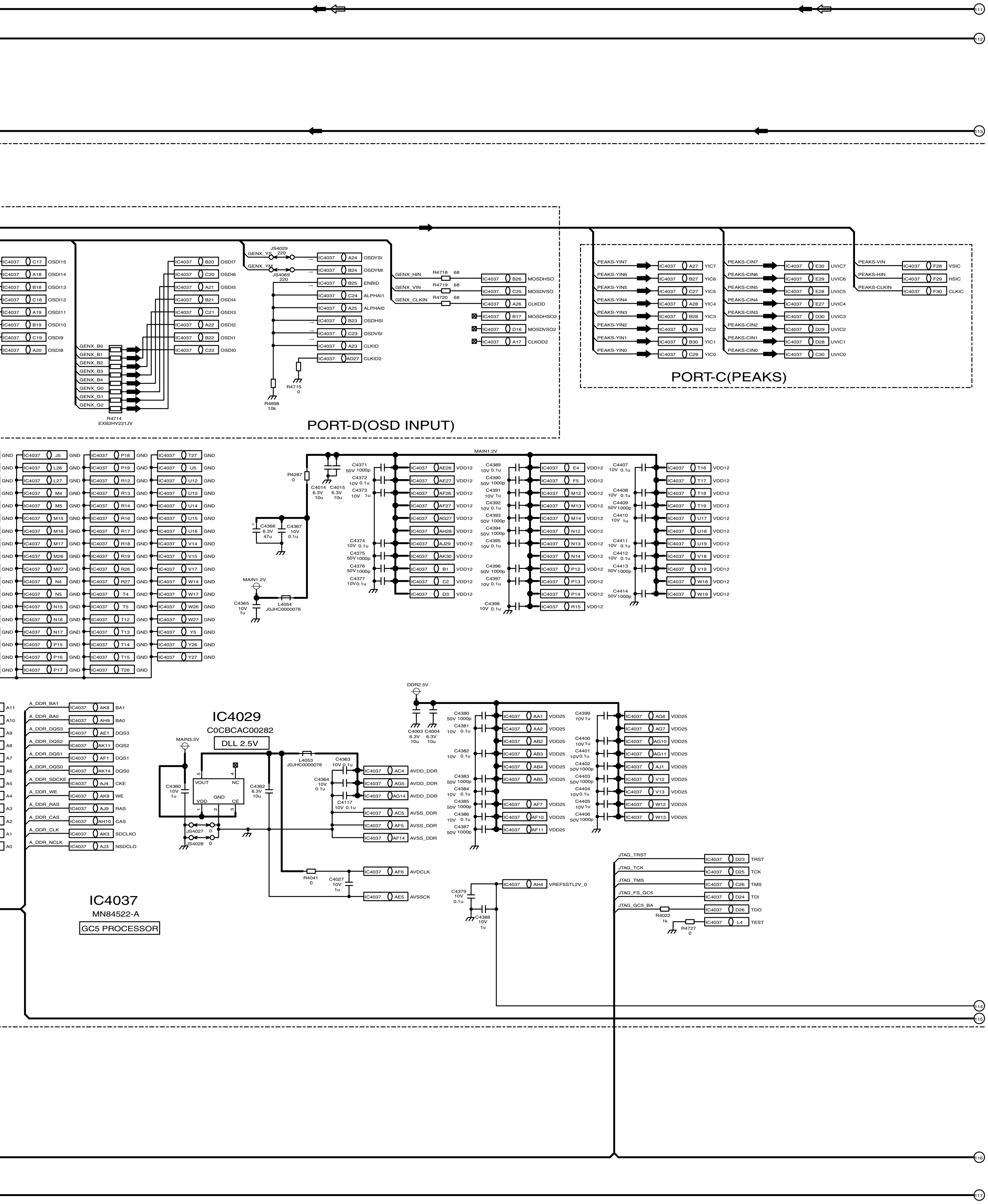

Q4082
2SK122800L
Q4083
2SK122800L
IC4027
C0DBFFD00003
MAIN 1.8V
IC4026
C1AB00002535
HDMI I/F RECEIVER
Thermal Pad
DIGITAL VIDEO SIGNAL (HDMI)
R4665
EXB2HV220JV
R4667
EXB2HV220JV
R4669
EXB2HV220JV
R4641
EXB28V330JX
IC4025
C0FBBK000047
AUDIO DAC
IC4028
C0ABBB000230
AUDIO AMP
MAIN5V
MAIN3.3V
MAIN1.8V
MAIN9V
HDMI_SCL
HDMI_SDA
SCL1
SDA1
HPD1
HPD2
HDMI_INT
HDMI_RST
HDMI_DAC_PD
REFCK_HDMI
HDMI_L_AUDIO
HDMI_R_AUDIO
HDMI_L
HDMI_R
HDMI_5V_DET1
HDMI_5V_DET2
HDMI_CEC
HDMI_WP
RX_MCLK
RX_SCK
RX_SD0#
RX_WS
HIGH:MUTE
VIH > 2.2V
VIL < 0.8V
JS4104
JS4025
JS4026
L4051
J0JHC0000078
L4052
J0JCC0000077
L4049
J0JBC0000080
DARD (5/8)
3756CB (PV60E)
3756CH (PX60B)
91
92
93
94
95
96
97

TH-37/42PV60E, TH-37/42PX60B DG-Board (5 of 8) Schematic Diagram

14.37. DG-Board (6 of 8) Schematic Diagram


91
92
93
94
PORT-FHQ(GC3E&HQ1)
R4037
EXB2HV103JV
R4038
EXB2HV103JV
R4039
EXB2HV103JV
R4712
0
R4713
EXB2HV221JV
PORT-B(FS&HDMI)
R4710
0
R4711
10k
REFCK_HDMI
R4709
68
27MHz
PORT-A(ADV7499)
REFCK_ADV
R4708
68
27MHz
R4701
68
R4706
0
IC4037
DG-BOARD (6/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)
95
96
97

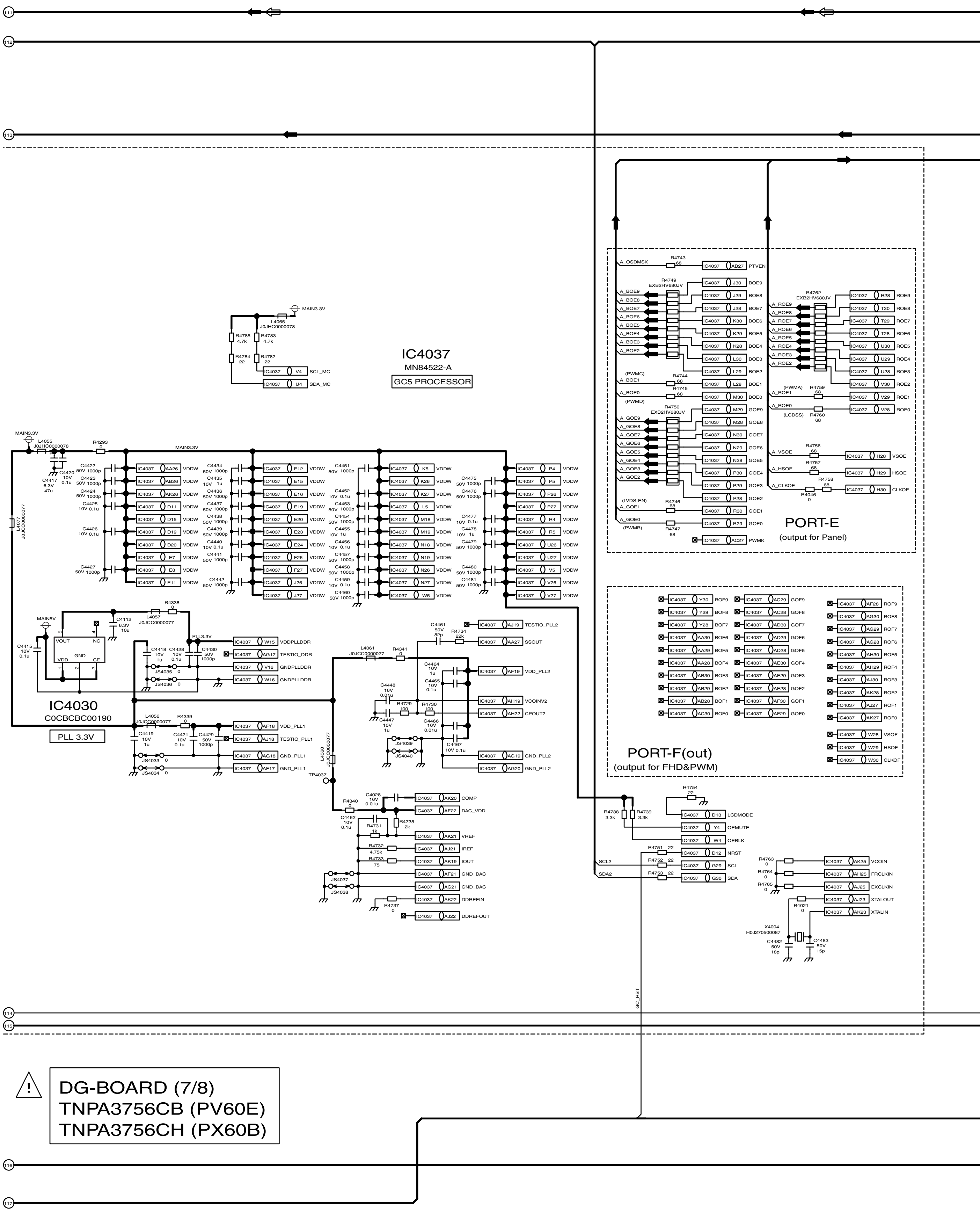
TH-37/42PV60E, TH-37/42PX60B DG-Board (6 of 8) Schematic Diagram


PORT-D(OSD INPUT)
PORT-C(PEAKS)
IC4037
MN84522-A
GC5 PROCESSOR
IC4029
C0CBCAC00282
DLL 2.5V
MAIN1.2V
DDR2.5V
MAIN3.3V
R4714
EXB2HV221JV
L4053
J0JHC0000078
L4054
J0JHC0000078
JTAG_TRST
JTAG_TCK
JTAG_TMS
JTAG_FS_GC5
JTAG_GC5_BA
VREFSSTL2V_0
AVDD_DDR
AVSS_DDR
AVDDCLK
AVSSCK
VDD12
VDD25
GND

TH-37/42PV60E, TH-37/42PX60B DG-Board (6 of 8) Schematic Diagram

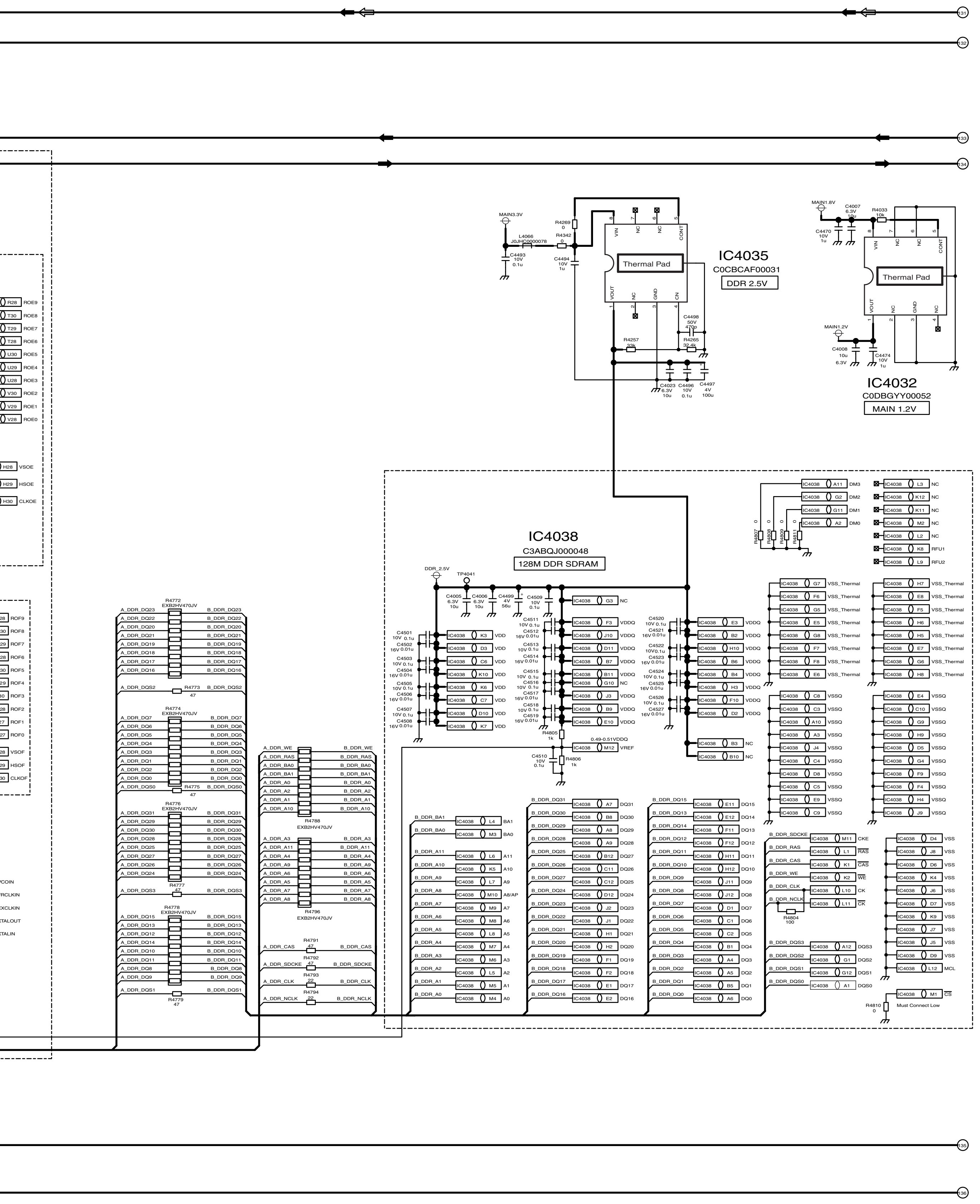
50	51	52	53	54

14.38. DG-Board (7 of 8) Schematic Diagram


IC4037
MN84522-A
GC5 PROCESSOR
IC4030
C0CBCBC00190
PLL 3.3V
MAIN3.3V
MAIN5V
PLL3.3V
VDDW
VDDPLLDDR
TESTIO_DDR
GNDPLLDDR
VDD_PLL1
TESTIO_PLL1
GND_PLL1
TESTIO_PLL2
SSOUT
VDD_PLL2
VCOINV2
CPOUT2
GND_PLL2
COMP
DAC_VDD
VREF
IREF
IOUT
GND_DAC
DDREFIN
DDREFOUT
SCL_MC
SDA_MC
SCL2
SDA2
GC_RST
LCDMODE
OEMUTE
OEBLK
NRST
SCL
SDA
VCOIN
FRCLKIN
EXCLKIN
XTALOUT
XTALIN
PTVEN
PWMK
VSOE
HSOE
CLKOE
PORT-E
(output for Panel)
PORT-F(out)
(output for FHD&PWM)
VSOF
HSOF
CLKOF
111
112
113
114
115
116
117
55
56
57
58
59

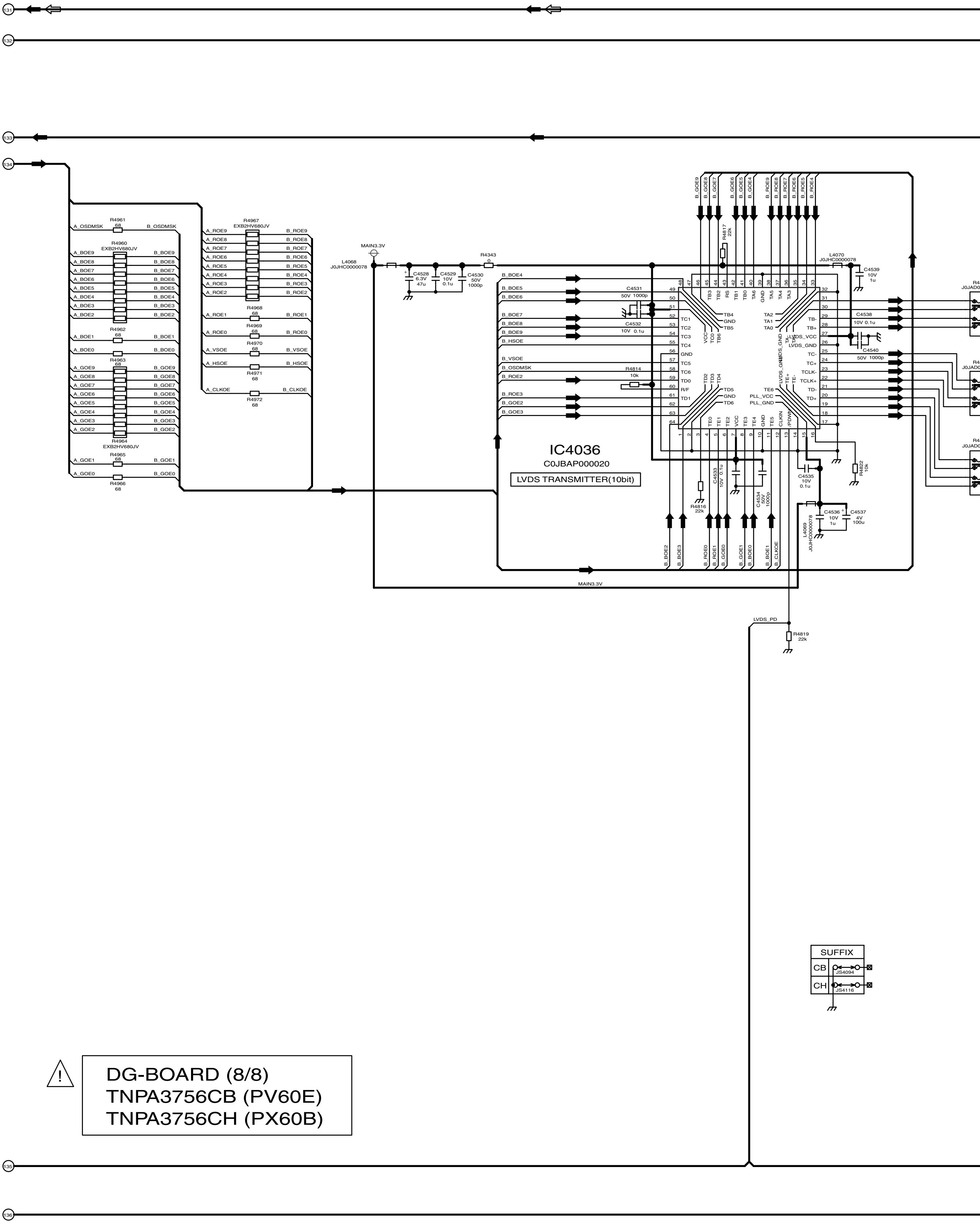
DG-BOARD (7/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)

TH-37/42PV60E, TH-37/42PX60B DG-Board (7 of 8) Schematic Diagram

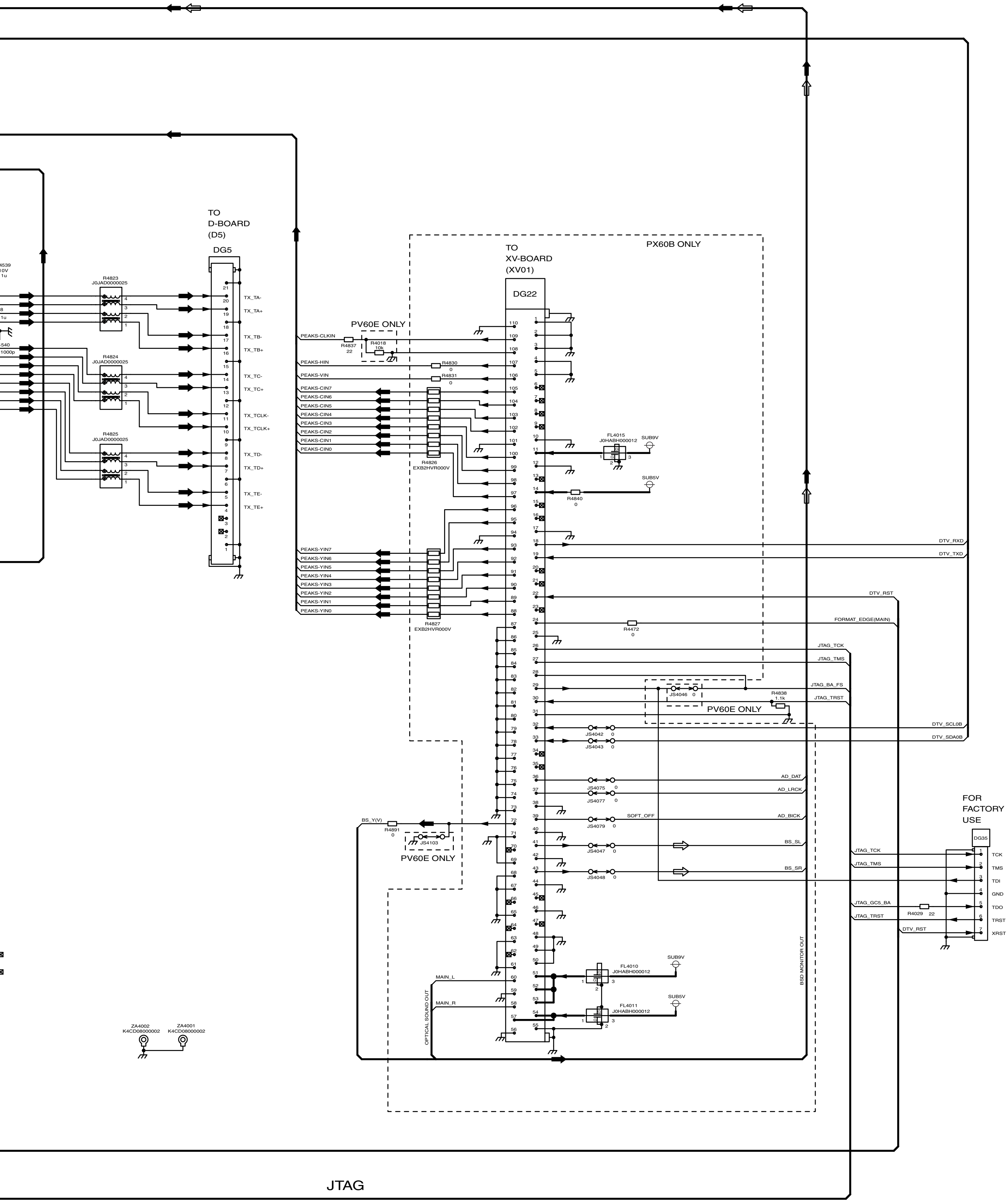

IC4035
C0CBCAF00031
DDR 2.5V
Thermal Pad
MAIN3.3V
IC4032
C0DBGYY00052
MAIN 1.2V
MAIN1.8V
MAIN1.2V
IC4038
C3ABQJ000048
128M DDR SDRAM
DDR_2.5V
TP4041
0.49-0.51VDDQ
Must Connect Low
EXB2HV470JV
59
60
61
62
63

TH-37/42PV60E, TH-37/42PX60B
DG-Board (7 of 8) Schematic Diagram

14.39. DG-Board (8 of 8) Schematic Diagram

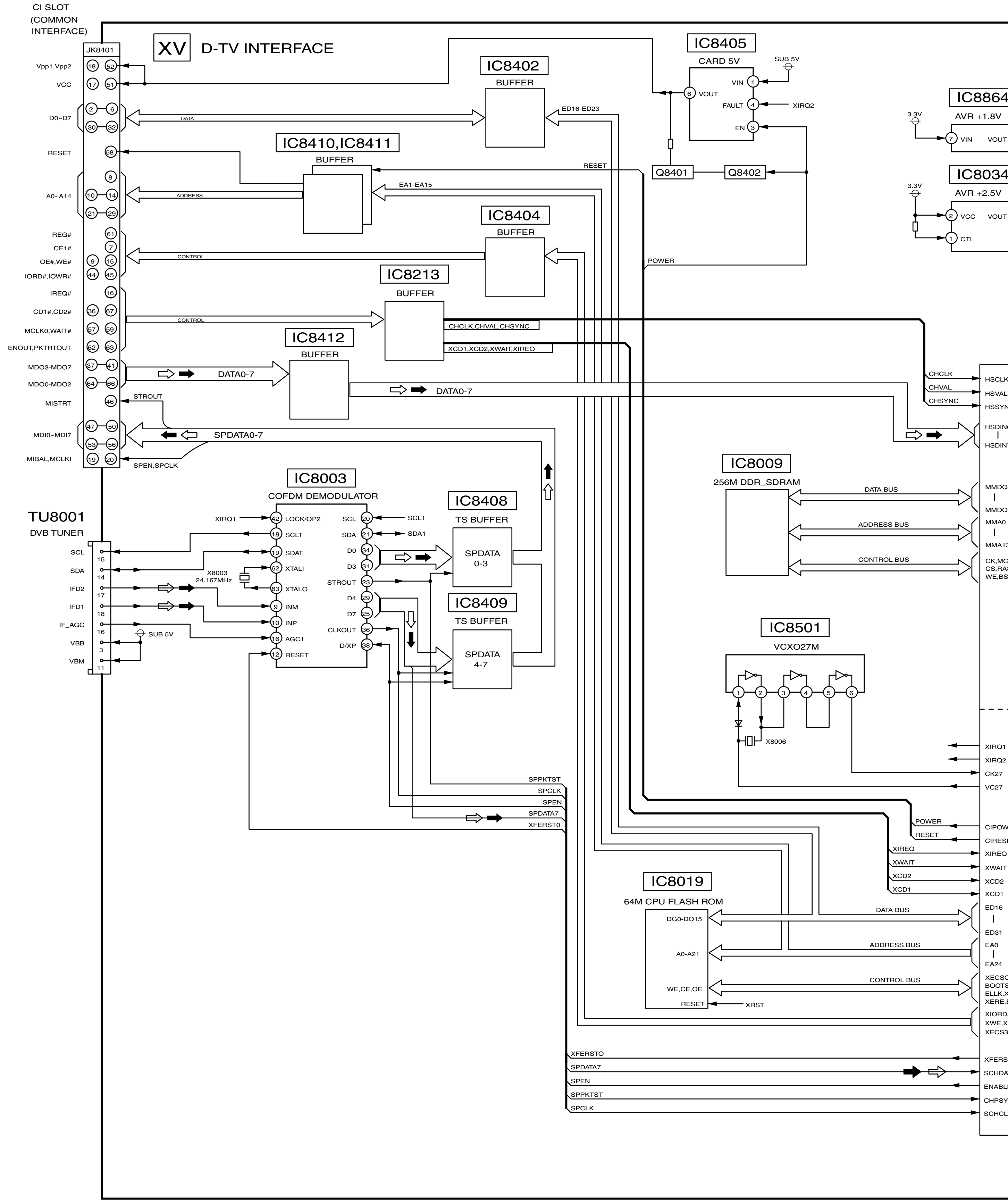

131
132
133
134
135
136
A_OSDMSK
R4961 68
B_OSDMSK
R4960 EXB2HV680JV
A_BOE9
A_BOE8
A_BOE7
A_BOE6
A_BOE5
A_BOE4
A_BOE3
A_BOE2
B_BOE9
B_BOE8
B_BOE7
B_BOE6
B_BOE5
B_BOE4
B_BOE3
B_BOE2
R4962 68
A_BOE1
B_BOE1
A_BOE0
B_BOE0
R4963 68
A_GOE9
A_GOE8
A_GOE7
A_GOE6
A_GOE5
A_GOE4
A_GOE3
A_GOE2
B_GOE9
B_GOE8
B_GOE7
B_GOE6
B_GOE5
B_GOE4
B_GOE3
B_GOE2
R4964 EXB2HV680JV
R4965 68
A_GOE1
B_GOE1
A_GOE0
B_GOE0
R4966 68
R4967 EXB2HV680JV
A_ROE9
A_ROE8
A_ROE7
A_ROE6
A_ROE5
A_ROE4
A_ROE3
A_ROE2
B_ROE9
B_ROE8
B_ROE7
B_ROE6
B_ROE5
B_ROE4
B_ROE3
B_ROE2
R4968 68
A_ROE1
B_ROE1
R4969 68
A_ROE0
B_ROE0
R4970 68
A_VSOE
B_VSOE
A_HSOE
B_HSOE
R4971 68
A_CLKOE
B_CLKOE
R4972 68
MAIN3.3V
L4068 J0JHC0000078
C4528 6.3V 47u
C4529 10V 0.1u
C4530 50V 1000p
R4343 0
B_BOE4
B_BOE5
B_BOE6
B_BOE7
B_BOE8
B_BOE9
B_HSOE
B_VSOE
B_OSDMSK
B_ROE2
B_ROE3
B_GOE2
B_GOE3
C4531 50V 1000p
C4532 10V 0.1u
R4814 10k
B_GOE9
B_GOE8
B_GOE7
B_GOE6
B_GOE5
B_GOE4
B_ROE9
B_ROE8
B_ROE7
B_ROE6
B_ROE5
B_ROE4
R4817 22k
L4070 J0JHC0000078
C4539 10V 1u
C4538 10V 0.1u
C4540 50V 1000p
TC1
TC2
TC3
TC4
GND
TC5
TC6
TD0
R/F
TD1
TB4
GND
TB5
TA2
TA1
TA0
TB-
TB+
LVDS_VCC
LVDS_GND
TC-
TC+
TCLK-
TCLK+
TD-
TD+
TD5
GND
TD6
TE6
PLL_VCC
PLL_GND
IC4036
C0JBAP000020
LVDS TRANSMITTER(10bit)
C4533 10V 0.1u
C4534 50V 1000p
R4816 22k
C4535 10V 0.1u
R4822 10k
C4536 10V 1u
C4537 4V 100u
L4069 J0JHC0000078
B_BOE2
B_BOE3
B_ROE0
B_ROE1
B_GOE0
B_GOE1
B_BOE0
B_BOE1
B_CLKOE
MAIN3.3V
LVDS_PD
R4819 22k
SUFFIX
CB
CH
JS4094
JS4116

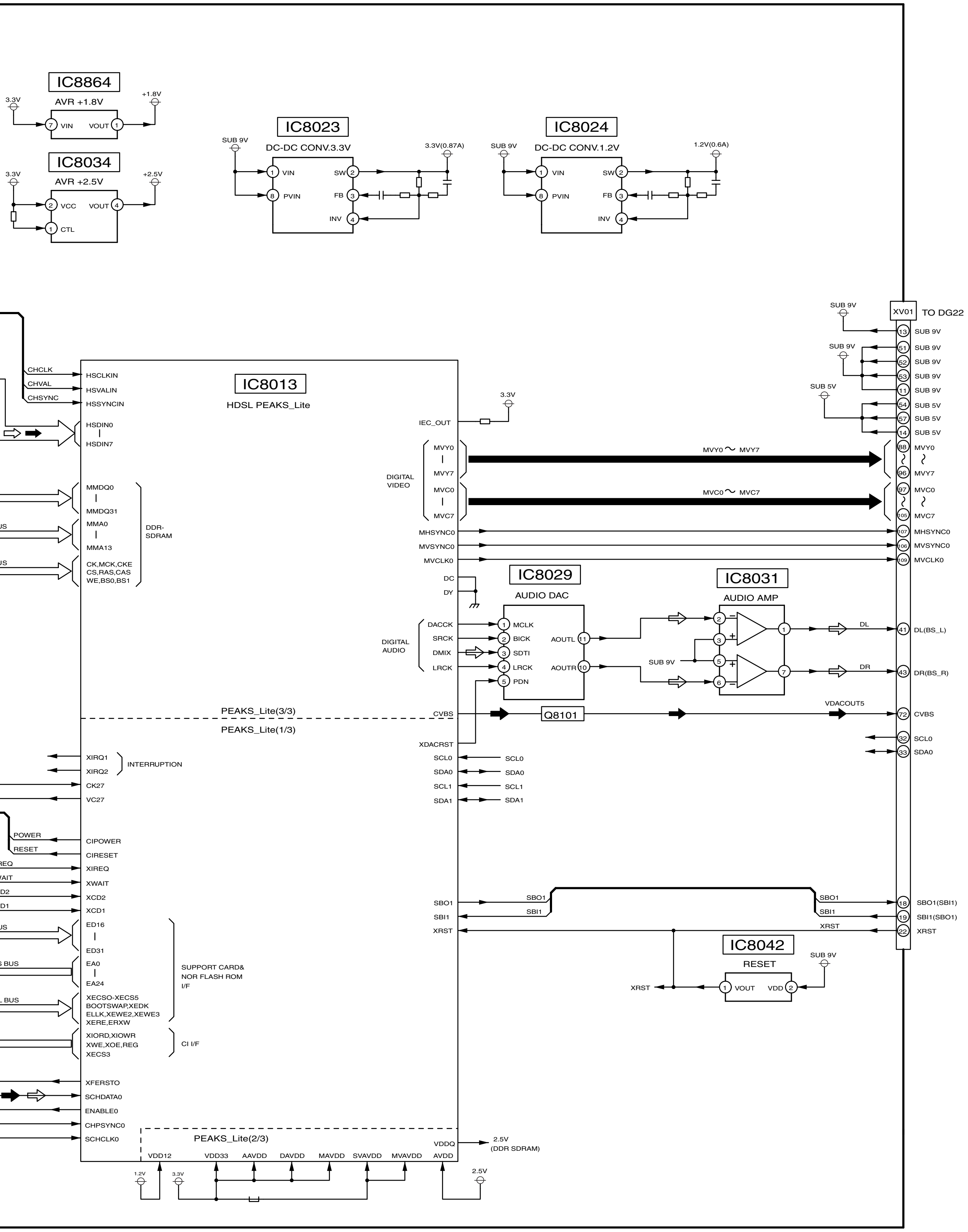
DG-BOARD (8/8)
TNPA3756CB (PV60E)
TNPA3756CH (PX60B)


TO
D-BOARD
(D5)
DG5
TX_TA-
TX_TA+
TX_TB-
TX_TB+
TX_TC-
TX_TC+
TX_TCLK-
TX_TCLK+
TX_TD-
TX_TD+
TX_TE-
TX_TE+
R4823
J0JAD0000025
R4824
J0JAD0000025
R4825
J0JAD0000025
TO
XV-BOARD
(XV01)
DG22
PX60B ONLY
PV60E ONLY
PEAKS-CLKIN
R4837
22
R4018
10k
PEAKS-HIN
PEAKS-VIN
R4830
0
R4831
0
PEAKS-CIN7
PEAKS-CIN6
PEAKS-CIN5
PEAKS-CIN4
PEAKS-CIN3
PEAKS-CIN2
PEAKS-CIN1
PEAKS-CIN0
R4826
EXB2HVR000V
FL4015
J0HABH000012
SUB9V
SUB5V
R4840
0
PEAKS-YIN7
PEAKS-YIN6
PEAKS-YIN5
PEAKS-YIN4
PEAKS-YIN3
PEAKS-YIN2
PEAKS-YIN1
PEAKS-YIN0
R4827
EXB2HVR000V
DTV_RXD
DTV_TXD
DTV_RST
FORMAT_EDGE(MAIN)
R4472
0
JTAG_TCK
JTAG_TMS
JTAG_BA_FS
JTAG_TRST
JS4046
0
R4838
1.1k
PV60E ONLY
DTV_SCL0B
DTV_SDA0B
JS4042
JS4043
AD_DAT
AD_LRCK
AD_BICK
JS4075
JS4077
SOFT_OFF
JS4079
BS_SL
BS_SR
JS4047
JS4048
BS_Y(V)
R4891
0
JS4103
PV60E ONLY
FOR
FACTORY
USE
DG35
TCK
TMS
TDI
GND
TDO
TRST
XRST
JTAG_TCK
JTAG_TMS
JTAG_GCS_BA
JTAG_TRST
DTV_RST
R4029
22
BSD MONITOR OUT
OPTICAL SOUND OUT
MAIN_L
MAIN_R
FL4010
J0HABH000012
FL4011
J0HABH000012
SUB9V
SUB5V
ZA4002
K4CD08000002
ZA4001
K4CD08000002
JTAG

TH-37/42PV60E, TH-37/42PX60B
DG-Board (8 of 8) Schematic Diagram

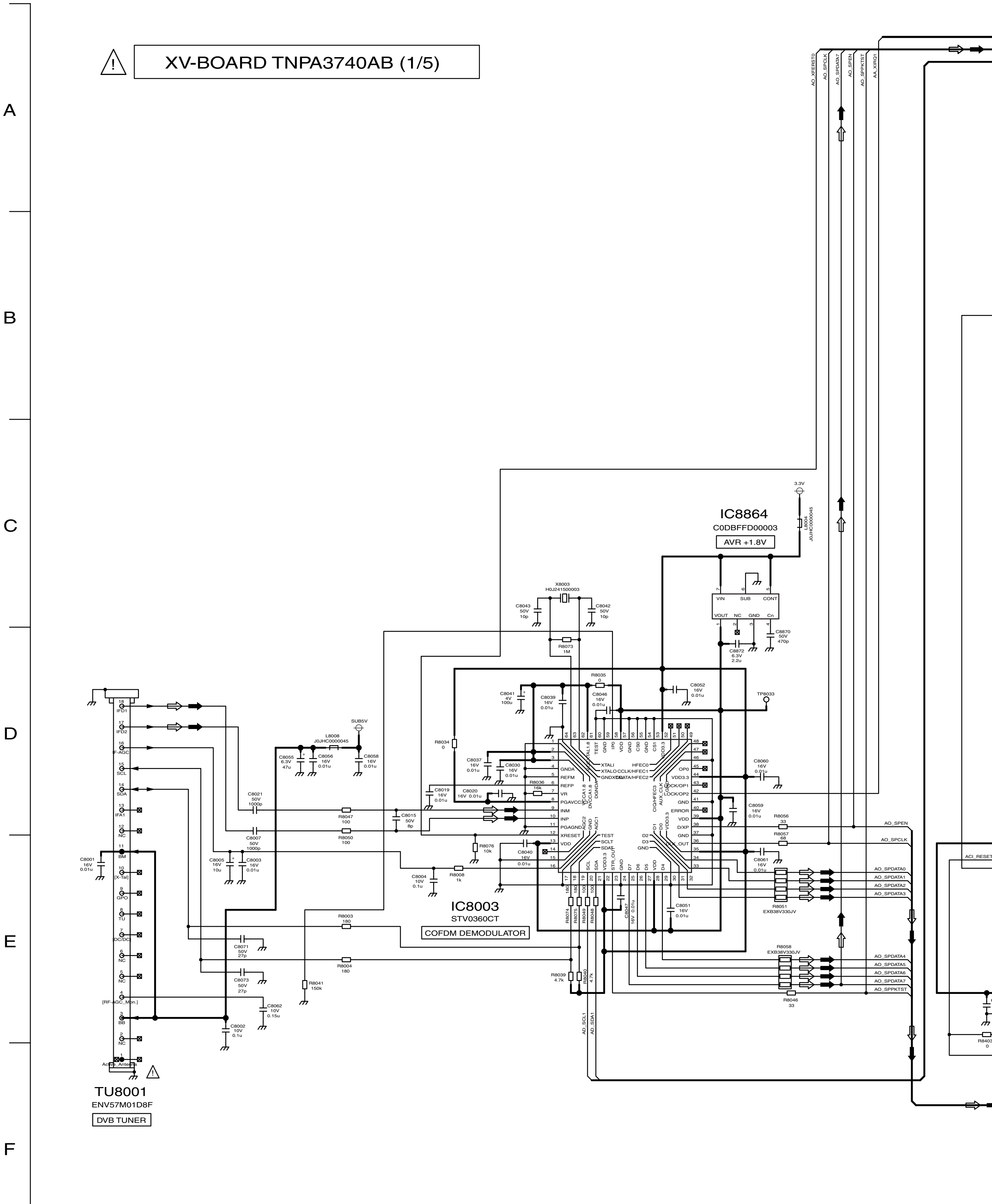
14.40. XV-Board Block Diagram (PX60B)


CI SLOT
(COMMON
INTERFACE)
JK8401
XV
D-TV INTERFACE
Vpp1,Vpp2
VCC
D0~D7
RESET
A0~A14
REG#
CE1#
OE#,WE#
IORD#,IOWR#
IREQ#
CD1#,CD2#
MCLK0,WAIT#
ENOUT,PKTRTOUT
MDO3-MDO7
MDO0-MDO2
MISTRT
MDI0~MDI7
MIBAL,MCLKI
DATA
ADDRESS
CONTROL
CONTROL
DATA0-7
STROUT
SPDATA0-7
SPEN,SPCLK
IC8402
BUFFER
ED16-ED23
IC8410,IC8411
BUFFER
EA1-EA15
RESET
IC8404
BUFFER
IC8213
BUFFER
CHCLK,CHVAL,CHSYNC
XCD1,XCD2,XWAIT,XIREQ
IC8412
BUFFER
DATA0-7
IC8405
CARD 5V
SUB 5V
VIN
VOUT
FAULT
XIRQ2
EN
Q8401
Q8402
POWER
IC8864
AVR +1.8V
3.3V
VIN
VOUT
IC8034
AVR +2.5V
3.3V
VCC
VOUT
CTL
CHCLK
CHVAL
CHSYNC
HSCLK
HSVAL
HSSYN
HSDIN
HSDIN
TU8001
DVB TUNER
SCL
SDA
IFD2
IFD1
IF_AGC
VBB
VBM
SUB 5V
IC8003
COFDM DEMODULATOR
XIRQ1
LOCK/OP2
SCLT
SDAT
X8003
24.167MHz
XTALI
XTALO
INM
INP
AGC1
RESET
SCL
SDA
D0
D3
STROUT
D4
D7
CLKOUT
D/XP
SCL1
SDA1
IC8408
TS BUFFER
SPDATA
0-3
IC8409
TS BUFFER
SPDATA
4-7
SPPKTST
SPCLK
SPEN
SPDATA7
XFERST0
IC8009
256M DDR_SDRAM
DATA BUS
ADDRESS BUS
CONTROL BUS
MMDQ
MMDQ
MMA0
MMA1
CK,MC
CS,RA
WE,BS
IC8501
VCXO27M
X8006
XIRQ1
XIRQ2
CK27
VC27
POWER
RESET
XIREQ
XWAIT
XCD2
XCD1
CIPOW
CIRES
XIREQ
XWAIT
XCD2
XCD1
IC8019
64M CPU FLASH ROM
DG0-DQ15
A0-A21
WE,CE,OE
RESET
XRST
DATA BUS
ADDRESS BUS
CONTROL BUS
ED16
ED31
EA0
EA24
XECS
BOOT
ELLK,X
XERE,
XIORD
XWE,X
XECS3
XFERSTO
SPDATA7
SPEN
SPPKTST
SPCLK
XFERS
SCHDA
ENABL
CHPSY
SCHCL


IC8864
AVR +1.8V
3.3V
+1.8V
7 VIN
VOUT 1
IC8034
AVR +2.5V
3.3V
+2.5V
2 VCC
VOUT 4
1 CTL
IC8023
DC-DC CONV.3.3V
SUB 9V
3.3V(0.87A)
1 VIN
SW 2
8 PVIN
FB 3
INV 4
IC8024
DC-DC CONV.1.2V
SUB 9V
1.2V(0.6A)
1 VIN
SW 2
8 PVIN
FB 3
INV 4
XV01
TO DG22
SUB 9V
SUB 9V
SUB 5V
13 SUB 9V
51 SUB 9V
52 SUB 9V
53 SUB 9V
11 SUB 9V
54 SUB 5V
57 SUB 5V
14 SUB 5V
88 MVY0
96 MVY7
97 MVC0
105 MVC7
107 MHSYNC0
106 MVSYNC0
109 MVCLK0
41 DL(BS_L)
43 DR(BS_R)
72 CVBS
32 SCL0
33 SDA0
18 SBO1(SBI1)
19 SBI1(SBO1)
22 XRST
IC8013
HDSL PEAKS_Lite
CHCLK
CHVAL
CHSYNC
HSCLKIN
HSVALIN
HSSYNCIN
HSDIN0
HSDIN7
MMDQ0
MMDQ31
MMA0
MMA13
CK,MCK,CKE
CS,RAS,CAS
WE,BS0,BS1
DDR-
SDRAM
US
US
IEC_OUT
3.3V
DIGITAL
VIDEO
MVY0
MVY7
MVC0
MVC7
MVY0～MVY7
MVC0～MVC7
MHSYNC0
MVSYNC0
MVCLK0
DC
DY
IC8029
AUDIO DAC
DIGITAL
AUDIO
DACCK
SRCK
DMIX
LRCK
1 MCLK
2 BICK
3 SDTI
4 LRCK
5 PDN
AOUTL 11
AOUTR 10
IC8031
AUDIO AMP
SUB 9V
2
3
5
6
1
7
DL
DR
PEAKS_Lite(3/3)
CVBS
Q8101
VDACOUT5
PEAKS_Lite(1/3)
XDACRST
SCL0
SDA0
SCL1
SDA1
SCL0
SDA0
SCL1
SDA1
XIRQ1
XIRQ2
INTERRUPTION
CK27
VC27
POWER
RESET
REQ
AIT
D2
D1
CIPOWER
CIRESET
XIREQ
XWAIT
XCD2
XCD1
SBO1
SBI1
XRST
SBO1
SBI1
SBO1
SBI1
XRST
IC8042
RESET
SUB 9V
XRST
1 VOUT
VDD 2
US
S BUS
L BUS
ED16
ED31
EA0
EA24
XECSO-XECS5
BOOTSWAP,XEDK
ELLK,XEWE2,XEWE3
XERE,ERXW
SUPPORT CARD&
NOR FLASH ROM
I/F
XIORD,XIOWR
XWE,XOE,REG
XECS3
CI I/F
XFERSTO
SCHDATA0
ENABLE0
CHPSYNC0
SCHCLK0
PEAKS_Lite(2/3)
VDDQ
2.5V
(DDR SDRAM)
VDD12
VDD33
AAVDD
DAVDD
MAVDD
SVAVDD
MVAVDD
AVDD
1.2V
3.3V
2.5V

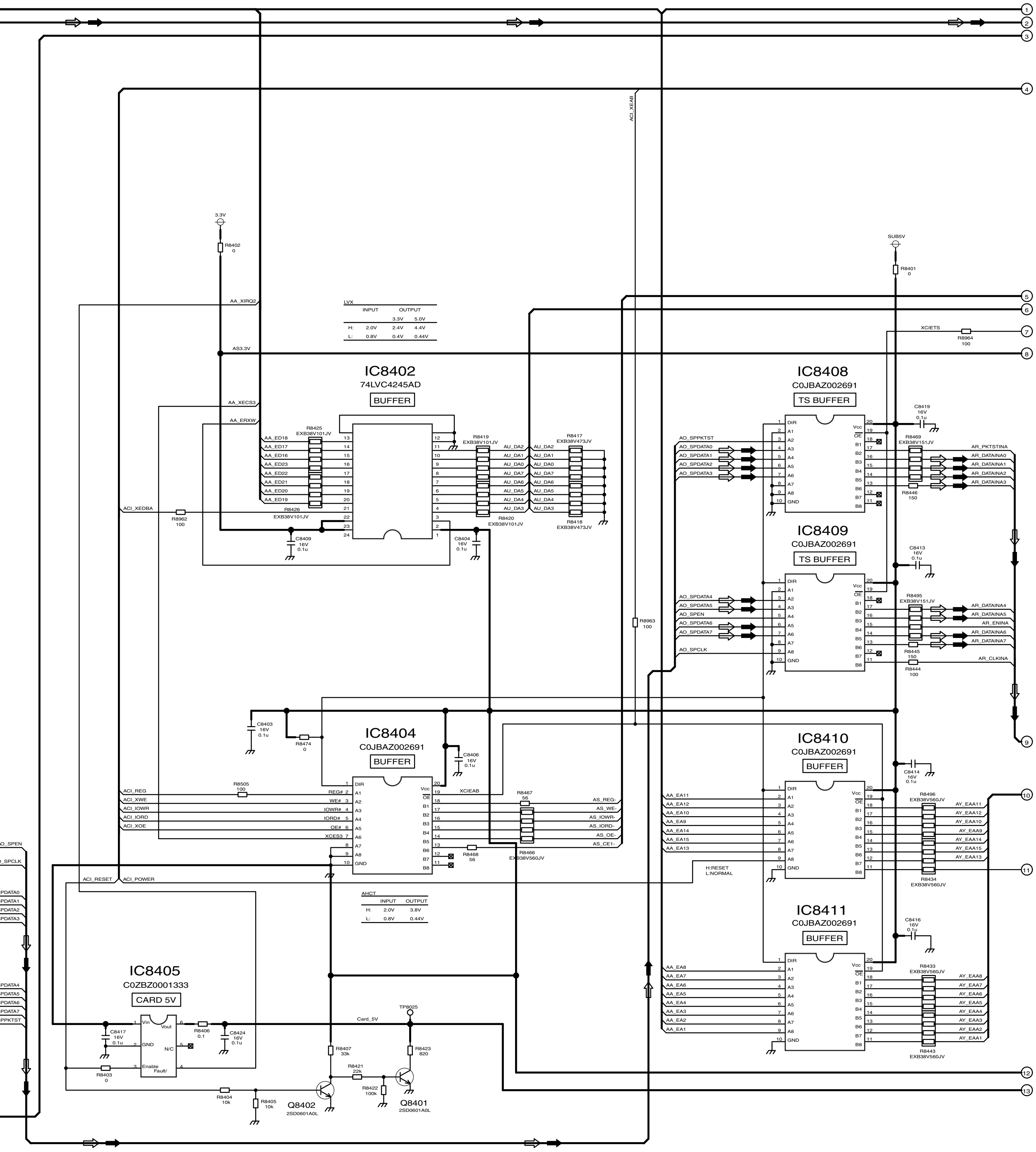
TH-37/42PX60B
XV-Board Block Diagram

14.41. XV-Board (1 of 5) Schematic Diagram (PX60B)



XV-BOARD TNPA3740AB (1/5)
A
B
C
D
E
F
AO_XFERST0
AO_SPCLK
AO_SPDATA7
AO_SPEN
AO_SPPKTST
AA_XIRQ1
3.3V
L8004 J0JHC0000045
IC8864
C0DBFFD00003
AVR +1.8V
VIN
SUB
CONT
VOUT
NC
GND
Cn
C8870 50V 470p
C8872 6.3V 2.2u
X8003 H0J241500003
C8043 50V 10p
C8042 50V 10p
R8073 1M
R8035 0
C8041 4V 100u
C8039 16V 0.01u
C8046 16V 0.01u
C8052 16V 0.01u
TP8033
R8034 0
C8037 16V 0.01u
C8030 16V 0.01u
R8036 16k
C8019 16V 0.01u
C8020 16V 0.01u
R8076 10k
C8040 16V 0.01u
GNDA
REFM
REFP
VR
PGAVCC3.3
INM
INP
PGAGND
XRESET
VDD
VCCA1.8
DVCCA1.8
DGNDA
XTALI
XTALO
GNDXTAL
VCCXTAL1.8
TEST
GND
IP0
VDD
CS0
CS1
VDD3.3
HFEC0
CCLK/HFEC1
CDATA/HFEC2
CIQ/HFEC3
AUX_CLK
OP0
VDD3.3
LOCK/OP1
LOCK/OP2
GND
ERROR
VDD
D/XP
GND
CLK_OUT
AGC2
GND
AGC1
TEST
SCLT
SDAT
D2
D3
GND
D1
D0
VDD3.3
SCL
SDA
VDD3.3
STR_OUT
GND
D7
D6
D5
VDD
D4
C8060 16V 0.01u
C8059 16V 0.01u
R8056 33
R8057 68
C8061 16V 0.01u
R8051 EXB38V330JV
R8058 EXB38V330JV
R8046 33
AO_SPEN
AO_SPCLK
ACI_RESET
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
AO_SPDATA4
AO_SPDATA5
AO_SPDATA6
AO_SPDATA7
AO_SPPKTST
R8403 0
C8051 16V 0.01u
C8047 16V 0.01u
R8074 180
R8075 180
R8049 100
R8048 100
R8039 4.7k
R8040 4.7k
AD_SCL1
AD_SDA1
IC8003
STV0360CT
COFDM DEMODULATOR
C8004 10V 0.1u
R8008 1k
R8047 100
R8050 100
C8015 50V 8p
C8021 50V 1000p
C8007 50V 1000p
SUB5V
L8008 J0JHC0000045
C8055 6.3V 47u
C8056 16V 0.01u
C8058 16V 0.01u
C8005 16V 10u
C8003 16V 0.01u
C8001 16V 0.01u
R8003 180
R8004 180
C8071 50V 27p
C8073 50V 27p
R8041 150k
C8062 10V 0.15u
C8002 10V 0.1u
18 IFD1
17 IFD2
16 IF-AGC
15 SCL
14 SDA
13 IFA1
12 NC
11 BM
10 [X-Tal]
9 GPO
8 TU
7 [DC/DC]
6 NC
5 NC
4 [RF-AGC_Mon.]
3 BB
2 NC
1 Active_Antenna
TU8001
ENV57M01D8F
DVB TUNER
1
2
3
4
5

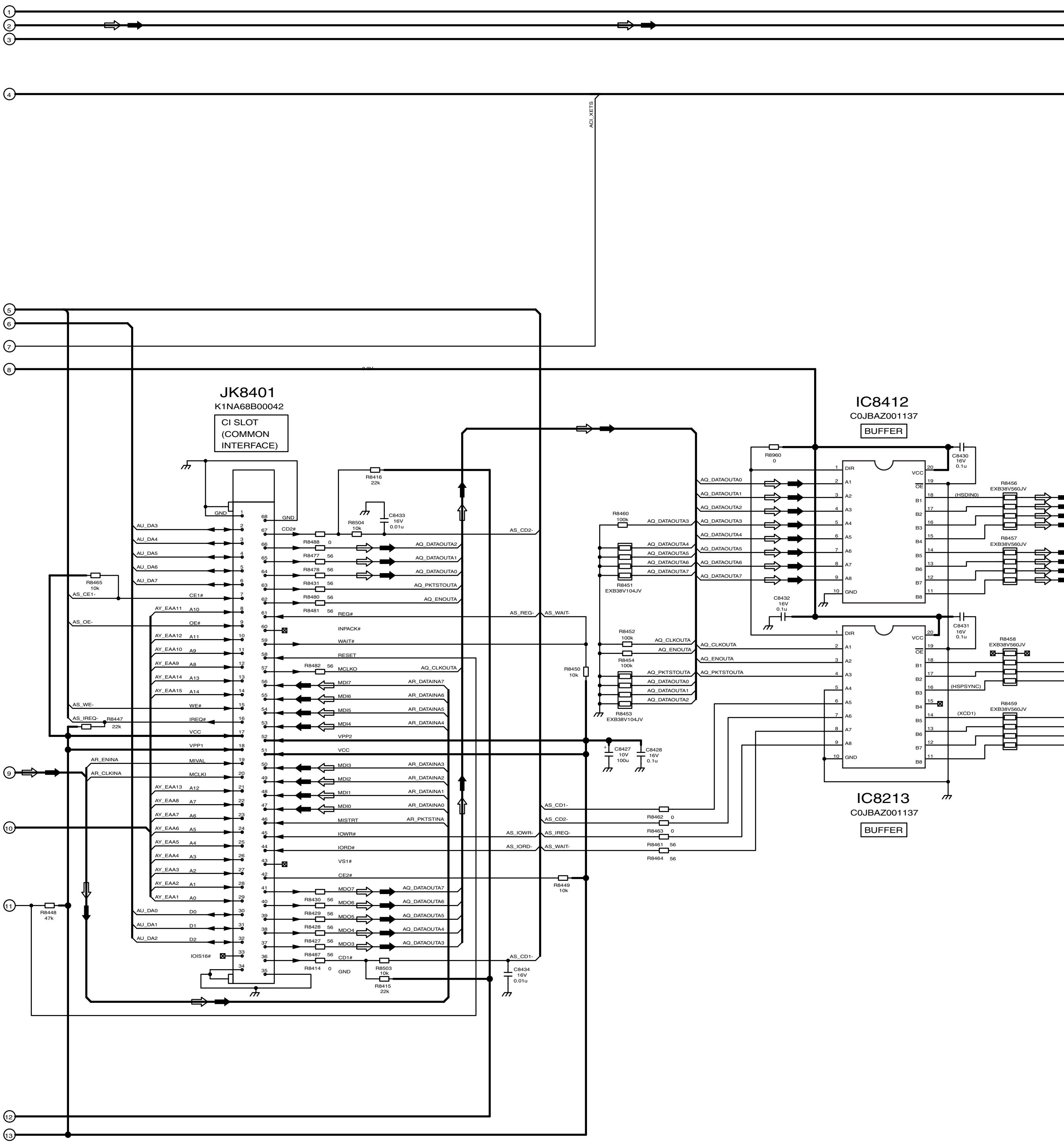
TH-37/42PX60B
XV-Board (1 of 5) Schematic Diagram


IC8402
74LVC4245AD
BUFFER
IC8404
C0JBAZ002691
BUFFER
IC8405
C0ZBZ0001333
CARD 5V
IC8408
C0JBAZ002691
TS BUFFER
IC8409
C0JBAZ002691
TS BUFFER
IC8410
C0JBAZ002691
BUFFER
IC8411
C0JBAZ002691
BUFFER
Q8402
2SD0601A0L
Q8401
2SD0601A0L
TP8025
3.3V
SUB5V
AS3.3V
AA_XIRQ2
AA_XECS3
AA_ERXW
ACI_XEDBA
ACI_XEAB
ACI_REG
ACI_XWE
ACI_IOWR
ACI_IORD
ACI_XOE
ACI_RESET
ACI_POWER
XCIEAB
XCIETS
Card_5V
LVX
INPUT
OUTPUT
3.3V
5.0V
H:
2.0V
2.4V
4.4V
L:
0.8V
0.4V
0.44V
AHCT
INPUT
OUTPUT
H:
2.0V
3.8V
L:
0.8V
0.44V
H:RESET
L:NORMAL
AA_ED18
AA_ED17
AA_ED16
AA_ED23
AA_ED22
AA_ED21
AA_ED20
AA_ED19
AU_DA2
AU_DA1
AU_DA0
AU_DA7
AU_DA6
AU_DA5
AU_DA4
AU_DA3
AS_REG-
AS_WE-
AS_IOWR-
AS_IORD-
AS_OE-
AS_CE1-
AO_SPPKTST
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
AO_SPDATA4
AO_SPDATA5
AO_SPEN
AO_SPDATA6
AO_SPDATA7
AO_SPCLK
AR_PKTSTINA
AR_DATAINA0
AR_DATAINA1
AR_DATAINA2
AR_DATAINA3
AR_DATAINA4
AR_DATAINA5
AR_ENINA
AR_DATAINA6
AR_DATAINA7
AR_CLKINA
AA_EA11
AA_EA12
AA_EA10
AA_EA9
AA_EA14
AA_EA15
AA_EA13
AA_EA8
AA_EA7
AA_EA6
AA_EA5
AA_EA4
AA_EA3
AA_EA2
AA_EA1
AY_EAA11
AY_EAA12
AY_EAA10
AY_EAA9
AY_EAA14
AY_EAA15
AY_EAA13
AY_EAA8
AY_EAA7
AY_EAA6
AY_EAA5
AY_EAA4
AY_EAA3
AY_EAA2
AY_EAA1
R8402 0
R8401 0
R8964 100
R8425 EXB38V101JV
R8426 EXB38V101JV
R8419 EXB38V101JV
R8420 EXB38V101JV
R8417 EXB38V473JV
R8418 EXB38V473JV
R8962 100
C8409 16V 0.1u
C8404 16V 0.1u
C8419 16V 0.1u
R8469 EXB38V151JV
R8446 150
C8413 16V 0.1u
R8495 EXB38V151JV
R8445 150
R8444 100
R8963 100
C8403 16V 0.1u
R8474 0
C8406 16V 0.1u
R8505 100
R8467 56
R8468 56
R8466 EXB38V560JV
C8414 16V 0.1u
R8496 EXB38V560JV
R8434 EXB38V560JV
C8416 16V 0.1u
R8433 EXB38V560JV
R8443 EXB38V560JV
C8417 16V 0.1u
R8406 0.1
C8424 16V 0.1u
R8403 0
R8404 10k
R8405 10k
R8407 33k
R8421 22k
R8422 100k
R8423 820
Vin
Vout
GND
N/C
Enable
Fault/
DIR
OE
Vcc
GND
REG#
WE#
IOWR#
IORD#
OE#
XCES3
O_SPEN
_SPCLK
PDATA0
PDATA1
PDATA2
PDATA3
PDATA4
PDATA5
PDATA6
PDATA7
PPKTST
1
2
3
4
5
6
7
8
9
10
11
12
13

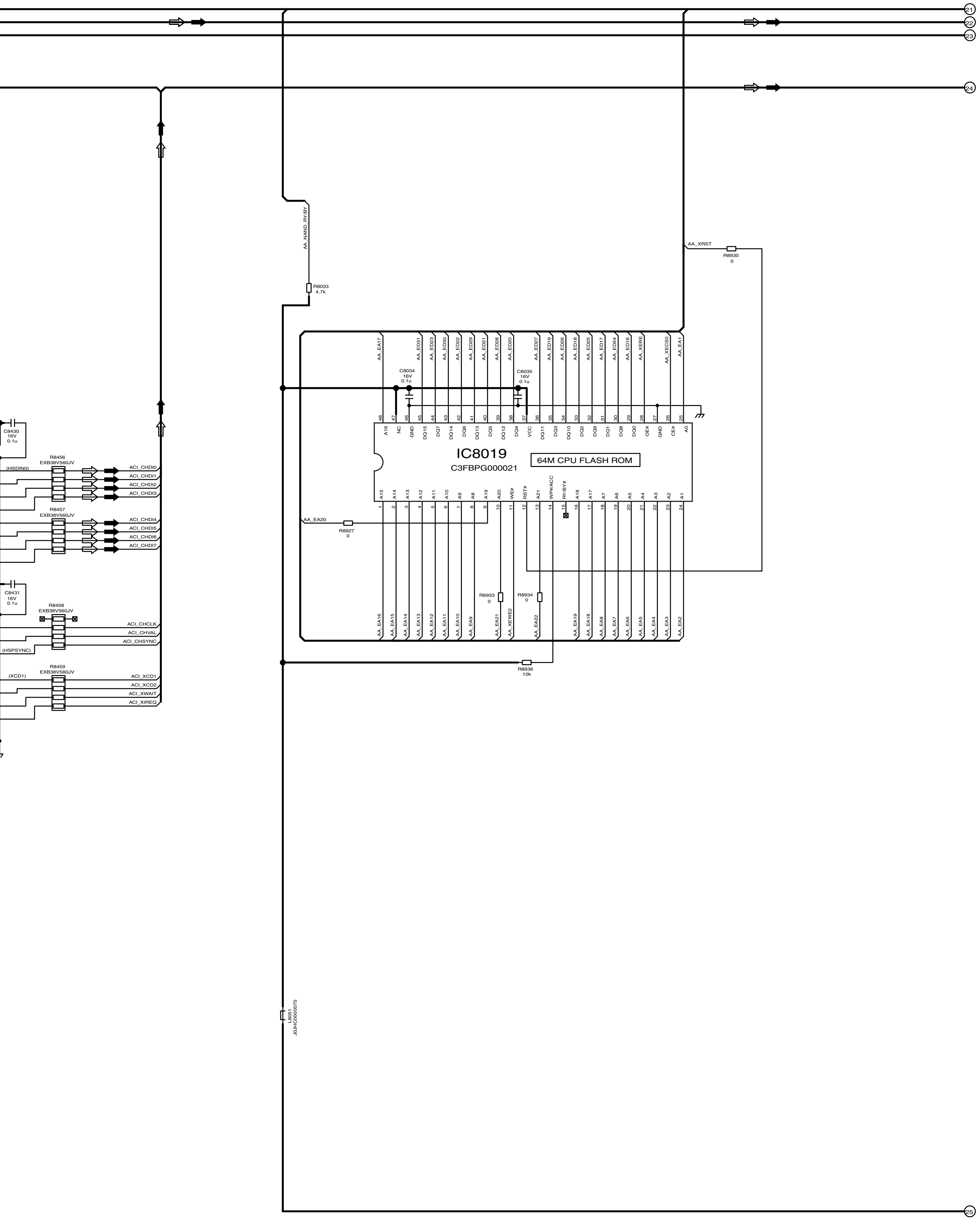
TH-37/42PX60B
XV-Board (1 of 5) Schematic Diagram

5 6 7 8 9

14.42. XV-Board (2 of 5) Schematic Diagram (PX60B)


JK8401
K1NA68B00042
CI SLOT
(COMMON
INTERFACE)
IC8412
C0JBAZ001137
BUFFER
IC8213
C0JBAZ001137
BUFFER
ACI_XETS
AU_DA3
AU_DA4
AU_DA5
AU_DA6
AU_DA7
AS_CE1-
AS_OE-
AS_WE-
AS_IREQ-
AR_ENINA
AR_CLKINA
AU_DA0
AU_DA1
AU_DA2
AQ_DATAOUTA0
AQ_DATAOUTA1
AQ_DATAOUTA2
AQ_DATAOUTA3
AQ_DATAOUTA4
AQ_DATAOUTA5
AQ_DATAOUTA6
AQ_DATAOUTA7
AQ_PKTSTOUTA
AQ_ENOUTA
AQ_CLKOUTA
AR_DATAINA0
AR_DATAINA1
AR_DATAINA2
AR_DATAINA3
AR_DATAINA4
AR_DATAINA5
AR_DATAINA6
AR_DATAINA7
AR_PKTSTINA
AS_CD1-
AS_CD2-
AS_REG-
AS_WAIT-
AS_IOWR-
AS_IORD-
AS_IREQ-
R8416
22k
R8504
10k
C8433
16V
0.01u
R8460
100k
R8451
EXB38V104JV
R8452
100k
R8454
100k
R8453
EXB38V104JV
R8450
10k
C8427
10V
100u
C8428
16V
0.1u
R8449
10k
R8462
R8463
R8461
R8464
R8503
10k
R8415
22k
C8434
16V
0.01u
R8465
10k
R8447
22k
R8448
47k
R8960
0
C8430
16V
0.1u
C8432
16V
0.1u
C8431
16V
0.1u
R8456
EXB38V560JV
R8457
EXB38V560JV
R8458
EXB38V560JV
R8459
EXB38V560JV
(HSDIN0)
(HSPSYNC)
(XCD1)
DIR
VCC
OE
GND

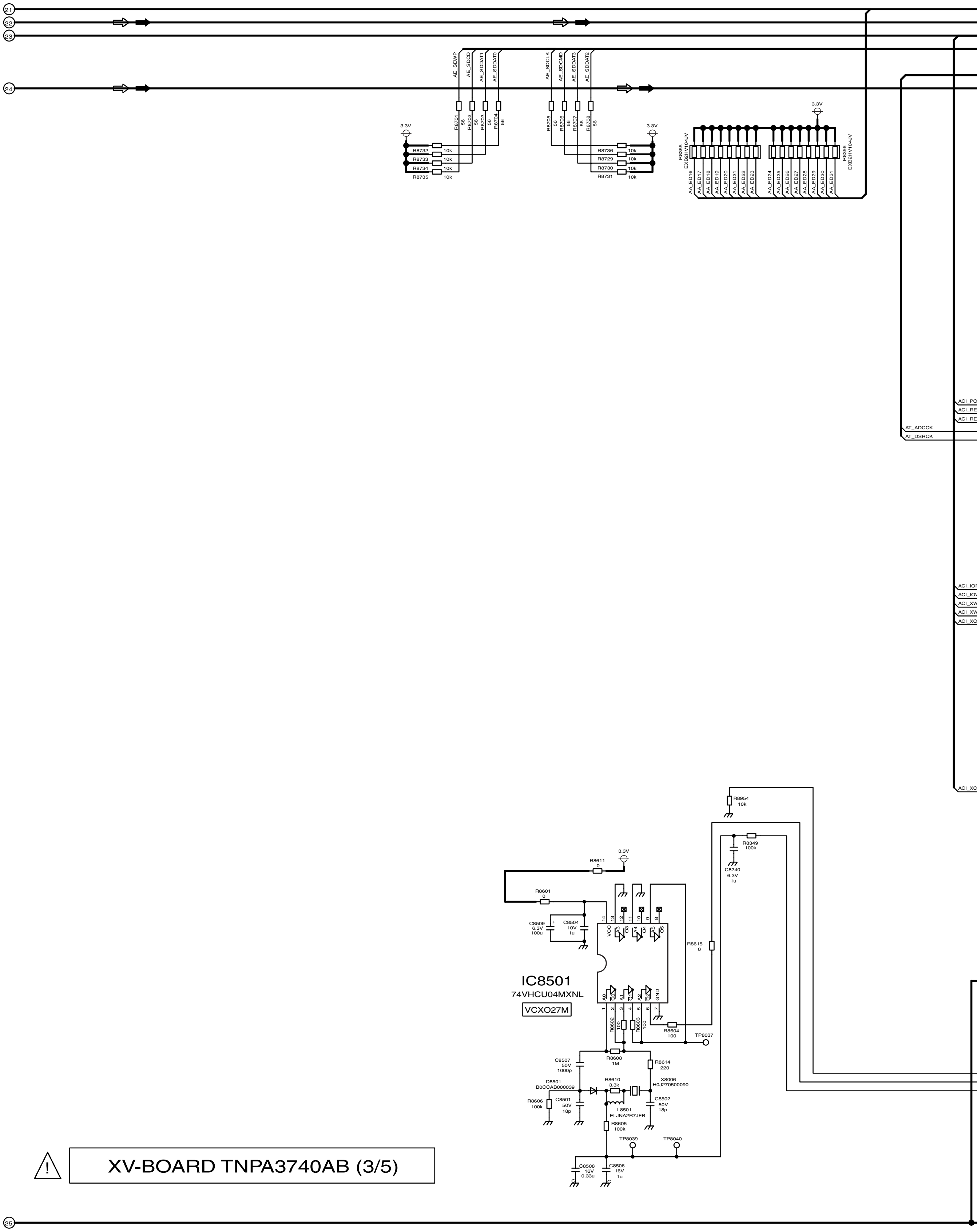
XV-BOARD TNPA3740AB (2/5)

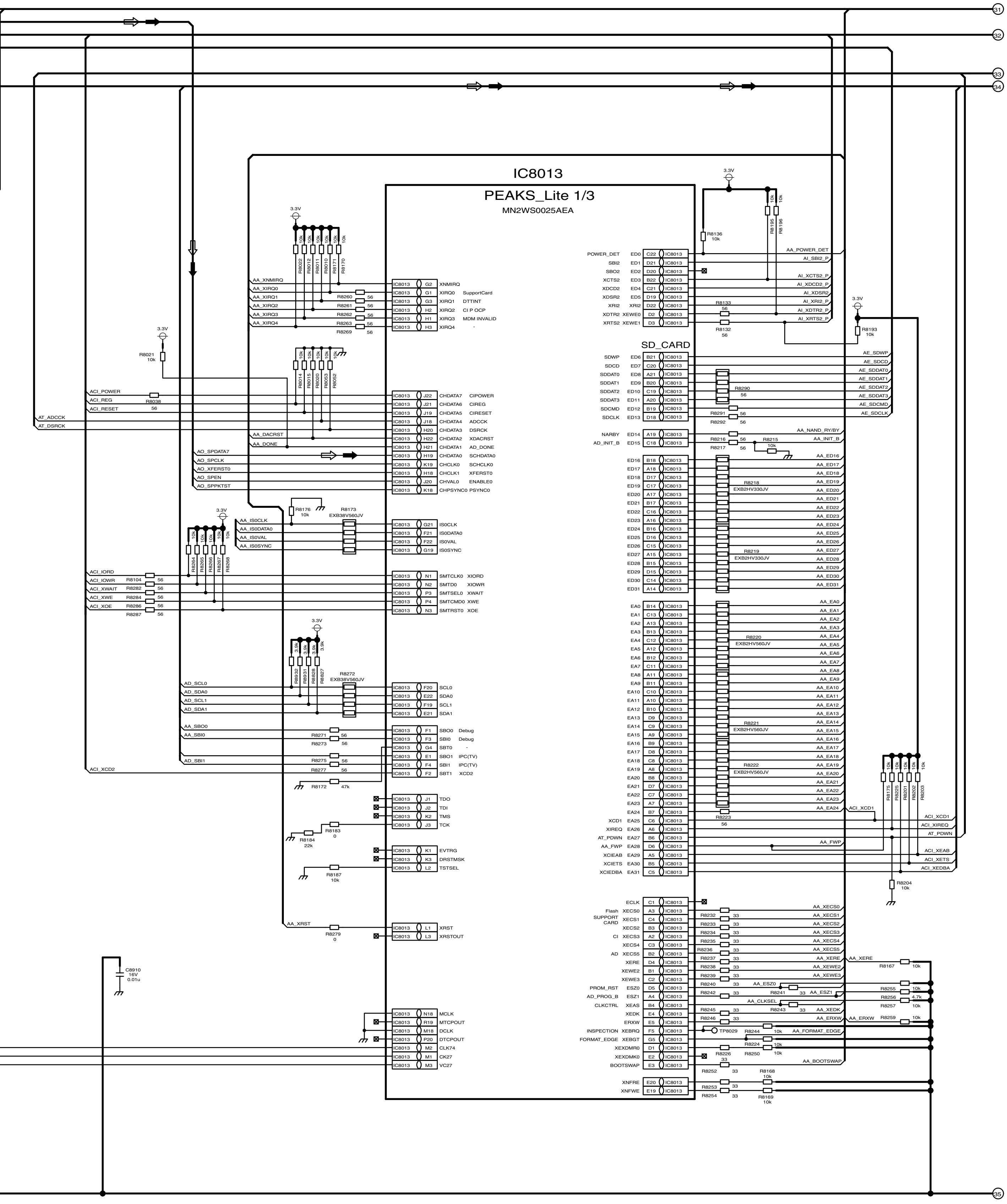

21
22
23
24
25
AA_NAND_RY/BY
R8033
4.7k
AA_XRST
R8930
0
C8034
16V
0.1u
C8035
16V
0.1u
AA_EA17
AA_ED31
AA_ED23
AA_ED30
AA_ED22
AA_ED29
AA_ED21
AA_ED28
AA_ED20
AA_ED27
AA_ED19
AA_ED26
AA_ED18
AA_ED25
AA_ED17
AA_ED24
AA_ED16
AA_XERE
AA_XECS0
AA_EA1
48 A16
47 NC
46 GND
45 DQ15
44 DQ7
43 DQ14
42 DQ6
41 DQ13
40 DQ5
39 DQ12
38 DQ4
37 VCC
36 DQ11
35 DQ3
34 DQ10
33 DQ2
32 DQ9
31 DQ1
30 DQ8
29 DQ0
28 OE#
27 GND
26 CE#
25 A0
IC8019
C3FBPG000021
64M CPU FLASH ROM
1 A15
2 A14
3 A13
4 A12
5 A11
6 A10
7 A9
8 A8
9 A19
10 A20
11 WE#
12 RST#
13 A21
14 WP#/ACC
15 RY/BY#
16 A18
17 A17
18 A7
19 A6
20 A5
21 A4
22 A3
23 A2
24 A1
AA_EA20
R8927
0
R8933
0
R8934
0
AA_EA16
AA_EA15
AA_EA14
AA_EA13
AA_EA12
AA_EA11
AA_EA10
AA_EA9
AA_EA21
AA_XEWE2
AA_EA22
AA_EA19
AA_EA18
AA_EA8
AA_EA7
AA_EA6
AA_EA5
AA_EA4
AA_EA3
AA_EA2
R8936
10k
L8051
J0JHC0000075
C8430
16V
0.1u
R8456
EXB38V560JV
(HSDIN0)
ACI_CHDI0
ACI_CHDI1
ACI_CHDI2
ACI_CHDI3
R8457
EXB38V560JV
ACI_CHDI4
ACI_CHDI5
ACI_CHDI6
ACI_CHDI7
C8431
16V
0.1u
R8458
EXB38V560JV
ACI_CHCLK
ACI_CHVAL
ACI_CHSYNC
(HSPSYNC)
R8459
EXB38V560JV
(XCD1)
ACI_XCD1
ACI_XCD2
ACI_XWAIT
ACI_XIREQ

TH-37/42PX60B
XV-Board (2 of 5) Schematic Diagram

14 15 16 17 18

14.43. XV-Board (3 of 5) Schematic Diagram (PX60B)

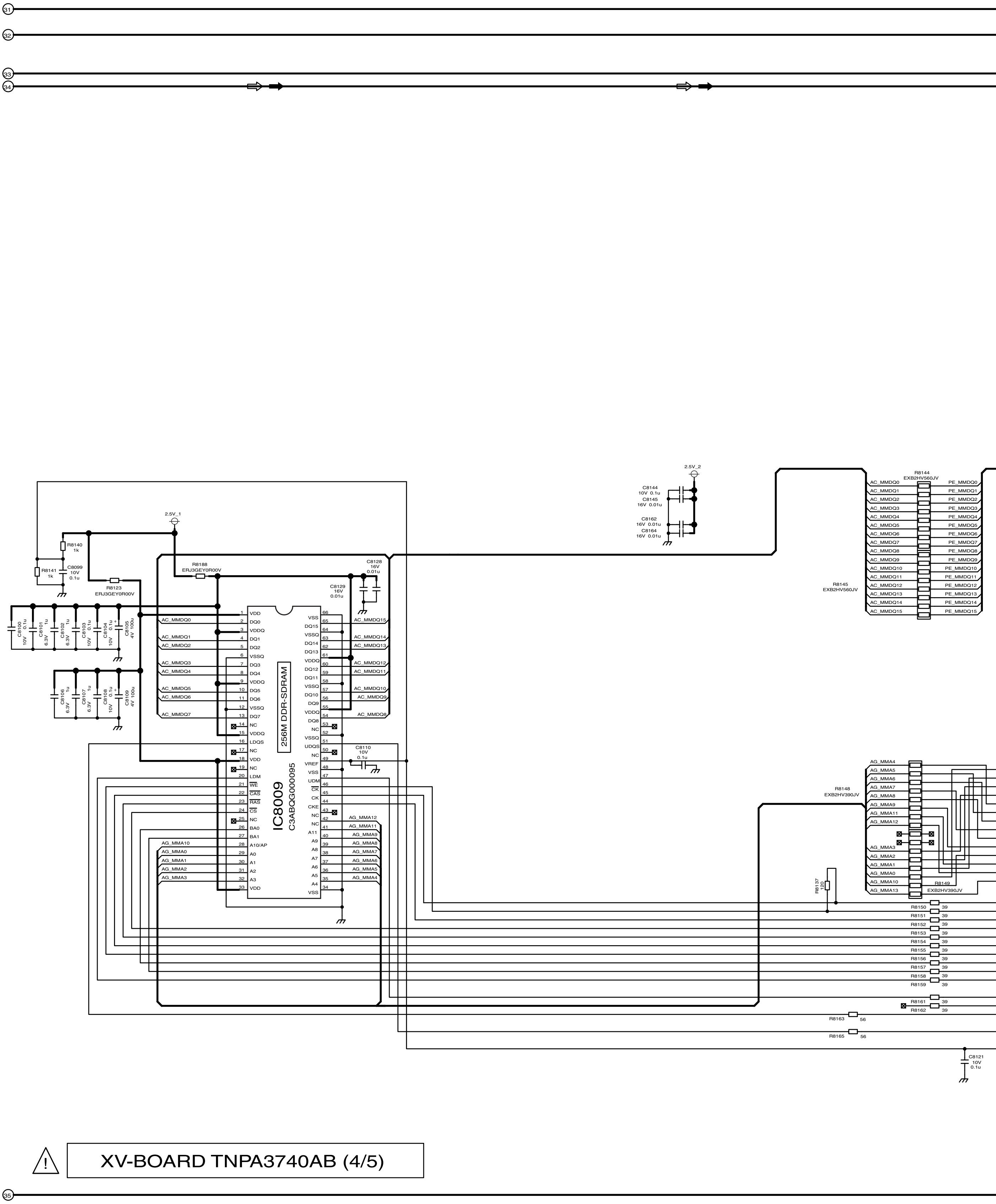

21
22
23
24
25
AE_SDWP
AE_SDCD
AE_SDDAT1
AE_SDDAT0
AE_SDCLK
AE_SDCMD
AE_SDDAT3
AE_SDDAT2
R8701 56
R8702 56
R8703 56
R8704 56
R8705 56
R8706 56
R8707 56
R8708 56
3.3V
R8732 10k
R8733 10k
R8734 10k
R8735 10k
R8736 10k
R8729 10k
R8730 10k
R8731 10k
R8355 EXB2HV104JV
R8356 EXB2HV104JV
AA_ED16
AA_ED17
AA_ED18
AA_ED19
AA_ED20
AA_ED21
AA_ED22
AA_ED23
AA_ED24
AA_ED25
AA_ED26
AA_ED27
AA_ED28
AA_ED29
AA_ED30
AA_ED31
AT_ADCCK
AT_DSRCK
R8954 10k
R8349 100k
C8240 6.3V 1u
R8611 0
R8601 0
C8509 6.3V 100u
C8504 10V 1u
IC8501
74VHCU04MXNL
VCXO27M
VCC
GND
R8615 0
R8602 100
R8603 100
R8604 100
TP8037
R8608 1M
R8614 220
C8507 50V 1000p
D8501 B0CCAB000039
R8610 3.3k
X8006 H0J270500090
R8606 100k
C8501 50V 18p
C8502 50V 18p
L8501 ELJNA2R7JFB
R8605 100k
TP8039
TP8040
C8508 16V 0.33u
C8506 16V 1u
XV-BOARD TNPA3740AB (3/5)

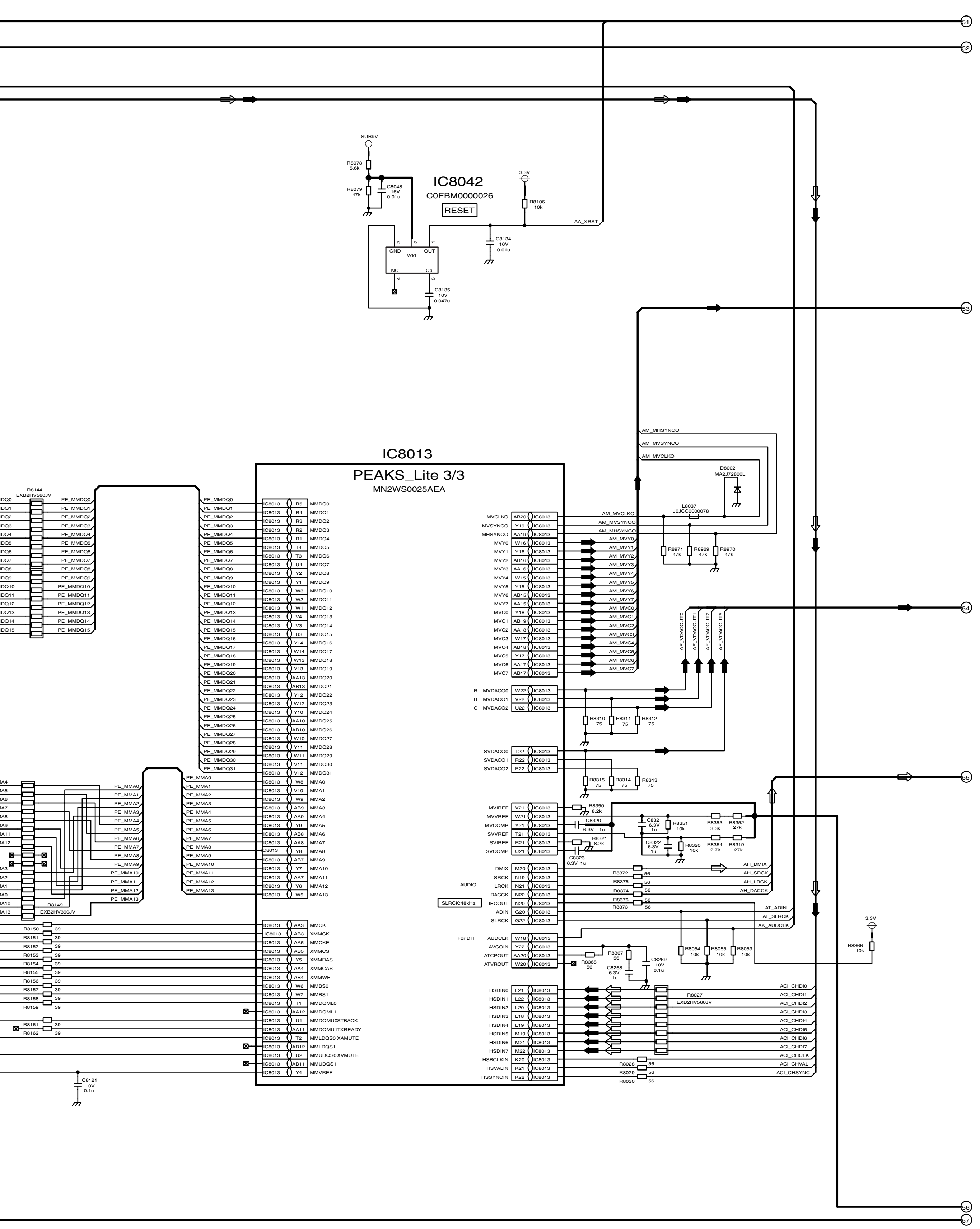

IC8013
PEAKS_Lite 1/3
MN2WS0025AEA
SD_CARD
3.3V
AA_XNMIRQ
AA_XIRQ0
AA_XIRQ1
AA_XIRQ2
AA_XIRQ3
AA_XIRQ4
XNMIRQ
XIRQ0 SupportCard
XIRQ1 DTTINT
XIRQ2 CI P OCP
XIRQ3 MDM INVALID
XIRQ4
ACI_POWER
ACI_REG
ACI_RESET
AT_ADCCK
AT_DSRCK
CHDATA7 CIPOWER
CHDATA6 CIREG
CHDATA5 CIRESET
CHDATA4 ADCCK
CHDATA3 DSRCK
CHDATA2 XDACRST
CHDATA1 AD_DONE
CHDATA0 SCHDATA0
CHCLK0 SCHCLK0
CHCLK1 XFERST0
CHVAL0 ENABLE0
CHPSYNC0 PSYNC0
AA_DACRST
AA_DONE
AO_SPDATA7
AO_SPCLK
AO_XFERST0
AO_SPEN
AO_SPPKTST
AA_IS0CLK
AA_IS0DATA0
AA_IS0VAL
AA_IS0SYNC
IS0CLK
IS0DATA0
IS0VAL
IS0SYNC
R8173 EXB38V560JV
ACI_IORD
ACI_IOWR
ACI_XWAIT
ACI_XWE
ACI_XOE
SMTCLK0 XIORD
SMTD0 XIOWR
SMTSEL0 XWAIT
SMTCMD0 XWE
SMTRST0 XOE
AD_SCL0
AD_SDA0
AD_SCL1
AD_SDA1
SCL0
SDA0
SCL1
SDA1
R8272 EXB38V560JV
AA_SBO0
AA_SBI0
AD_SBI1
ACI_XCD2
SBO0 Debug
SBI0 Debug
SBT0 -
SBO1 IPC(TV)
SBI1 IPC(TV)
SBT1 XCD2
TDO
TDI
TMS
TCK
EVTRG
DRSTMSK
TSTSEL
AA_XRST
XRST
XRSTOUT
C8910 16V 0.01u
MCLK
MTCPOUT
DCLK
DTCPOUT
CLK74
CK27
VC27
POWER_DET ED0
SBI2 ED1
SBO2 ED2
XCTS2 ED3
XDCD2 ED4
XDSR2 ED5
XRI2 XRI2
XDTR2 XEWE0
XRTS2 XEWE1
AA_POWER_DET
AI_SBI2_P
AI_XCTS2_P
AI_XDCD2_P
AI_XDSR2
AI_XRI2_P
AI_XDTR2_P
AI_XRTS2_P
SDWP ED6
SDCD ED7
SDDAT0 ED8
SDDAT1 ED9
SDDAT2 ED10
SDDAT3 ED11
SDCMD ED12
SDCLK ED13
AE_SDWP
AE_SDCD
AE_SDDAT0
AE_SDDAT1
AE_SDDAT2
AE_SDDAT3
AE_SDCMD
AE_SDCLK
NARBY ED14
AD_INIT_B ED15
AA_NAND_RY/BY
AA_INIT_B
ED16 … ED31
AA_ED16 … AA_ED31
R8218 EXB2HV330JV
R8219 EXB2HV330JV
EA0 … EA24
AA_EA0 … AA_EA24
R8220 EXB2HV560JV
R8221 EXB2HV560JV
R8222 EXB2HV560JV
XCD1 EA25
XIREQ EA26
AT_PDWN EA27
AA_FWP EA28
XCIEAB EA29
XCIETS EA30
XCIEDBA EA31
ACI_XCD1
ACI_XIREQ
AT_PDWN
AA_FWP
ACI_XEAB
ACI_XETS
ACI_XEDBA
ECLK
Flash XECS0
SUPPORT CARD XECS1
XECS2
CI XECS3
XECS4
AD XECS5
XERE
XEWE2
XEWE3
PROM_RST ESZ0
AD_PROG_B ESZ1
CLKCTRL XEAS
XEDK
ERXW
INSPECTION XEBRQ
FORMAT_EDGE XEBGT
XEXDMR0
XEXDMK0
BOOTSWAP
XNFRE
XNFWE
AA_XECS0
AA_XECS1
AA_XECS2
AA_XECS3
AA_XECS4
AA_XECS5
AA_XERE
AA_XEWE2
AA_XEWE3
AA_ESZ0
AA_ESZ1
AA_CLKSEL
AA_XEDK
AA_ERXW
AA_FORMAT_EDGE
AA_BOOTSWAP
TP8029
31
32
33
34
35

TH-37/42PX60B
XV-Board (3 of 5) Schematic Diagram

23
24
25
26
27

14.44. XV-Board (4 of 5) Schematic Diagram (PX60B)

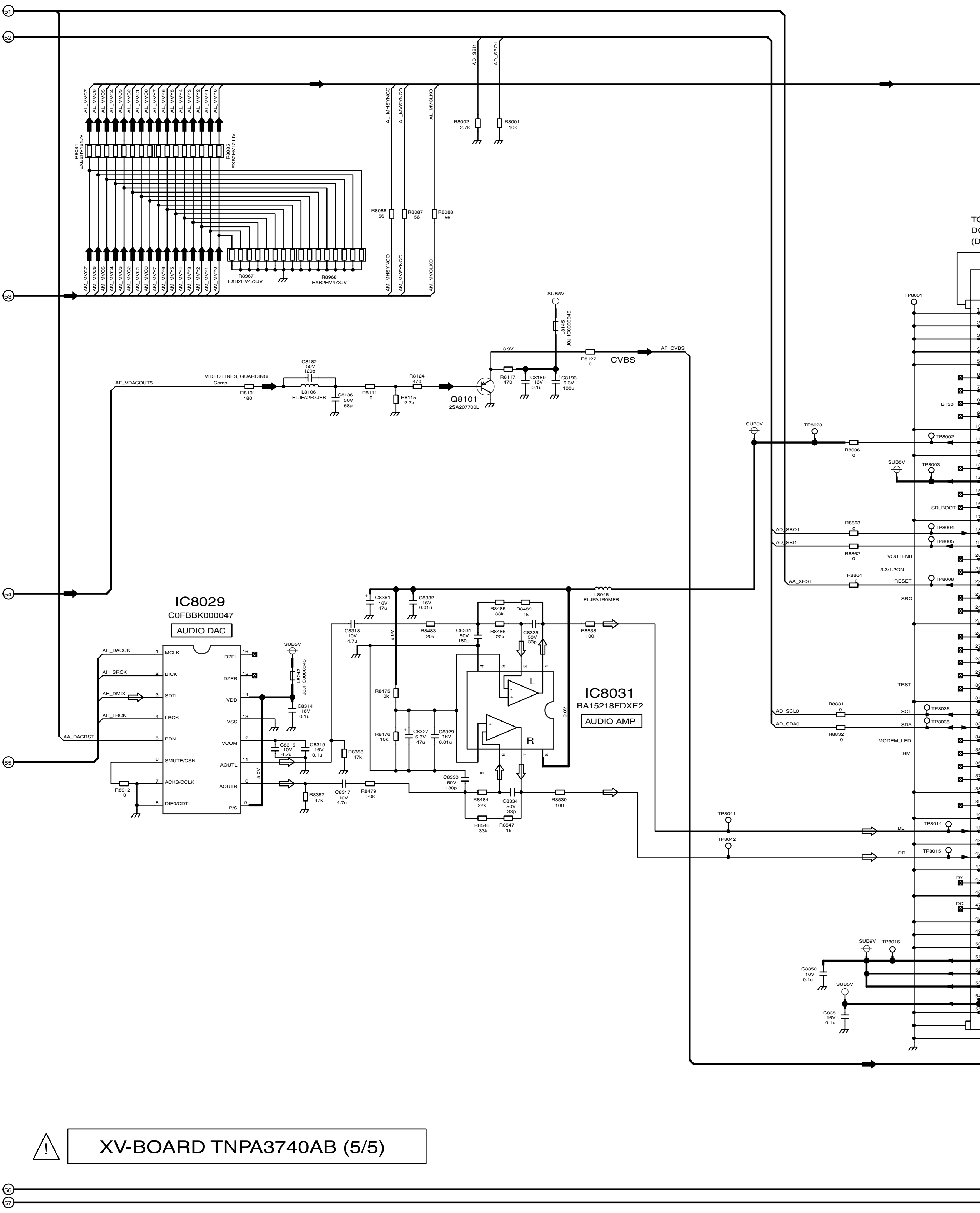

31
32
33
34
35
2.5V_1
2.5V_2
R8140 1k
R8141 1k
C8099 10V 0.1u
R8123 ERJ3GEY0R00V
R8188 ERJ3GEY0R00V
C8128 16V 0.01u
C8129 16V 0.01u
C8100 10V 0.1u
C8101 6.3V 1u
C8102 6.3V 1u
C8103 10V 0.1u
C8104 10V 0.1u
C8105 4V 100u
C8106 6.3V 1u
C8107 6.3V 1u
C8108 10V 0.1u
C8109 4V 100u
C8110 10V 0.1u
C8144 10V 0.1u
C8145 16V 0.01u
C8162 16V 0.01u
C8164 16V 0.01u
IC8009
C3ABQG000095
256M DDR-SDRAM
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
DQ5
DQ6
DQ7
NC
LDQS
LDM
WE
CAS
RAS
CS
BA0
BA1
A10/AP
A0
A1
A2
A3
VSS
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
UDQS
VREF
UDM
CK
CKE
A11
A9
A8
A7
A6
A5
A4
AC_MMDQ0
AC_MMDQ1
AC_MMDQ2
AC_MMDQ3
AC_MMDQ4
AC_MMDQ5
AC_MMDQ6
AC_MMDQ7
AC_MMDQ8
AC_MMDQ9
AC_MMDQ10
AC_MMDQ11
AC_MMDQ12
AC_MMDQ13
AC_MMDQ14
AC_MMDQ15
AG_MMA0
AG_MMA1
AG_MMA2
AG_MMA3
AG_MMA4
AG_MMA5
AG_MMA6
AG_MMA7
AG_MMA8
AG_MMA9
AG_MMA10
AG_MMA11
AG_MMA12
AG_MMA13
PE_MMDQ0
PE_MMDQ1
PE_MMDQ2
PE_MMDQ3
PE_MMDQ4
PE_MMDQ5
PE_MMDQ6
PE_MMDQ7
PE_MMDQ8
PE_MMDQ9
PE_MMDQ10
PE_MMDQ11
PE_MMDQ12
PE_MMDQ13
PE_MMDQ14
PE_MMDQ15
R8144 EXB2HV560JV
R8145 EXB2HV560JV
R8148 EXB2HV390JV
R8149 EXB2HV390JV
R8137 120
R8150 39
R8151 39
R8152 39
R8153 39
R8154 39
R8155 39
R8156 39
R8157 39
R8158 39
R8159 39
R8161 39
R8162 39
R8163 56
R8165 56
C8121 10V 0.1u
XV-BOARD TNPA3740AB (4/5)


IC8042
C0EBM0000026
RESET
SUB9V
R8078 5.6k
R8079 47k
C8048 16V 0.01u
3.3V
R8106 10k
C8134 16V 0.01u
C8135 10V 0.047u
GND
Vdd
OUT
NC
Cd
AA_XRST
IC8013
PEAKS_Lite 3/3
MN2WS0025AEA
R8144 EXB2HV560JV
R8149 EXB2HV390JV
AM_MHSYNCO
AM_MVSYNCO
AM_MVCLKO
D8002 MA2J72800L
L8037 J0JCC0000078
R8971 47k
R8969 47k
R8970 47k
AF_VDACOUT0
AF_VDACOUT1
AF_VDACOUT2
AF_VDACOUT3
R8310 75
R8311 75
R8312 75
R8315 75
R8314 75
R8313 75
MVCLKO
MVSYNCO
MHSYNCO
MVDACO0
MVDACO1
MVDACO2
SVDACO0
SVDACO1
SVDACO2
MVIREF
MVVREF
MVCOMP
SVVREF
SVIREF
SVCOMP
AUDIO
DMIX
SRCK
LRCK
DACCK
IECOUT
ADIN
SLRCK
SLRCK:48kHz
For DIT
AUDCLK
AVCOIN
ATCPOUT
ATVROUT
AH_DMIX
AH_SRCK
AH_LRCK
AH_DACCK
AT_ADIN
AT_SLRCK
AK_AUDCLK
R8366 10k
R8054 10k
R8055 10k
R8059 10k
R8027 EXB2HV560JV
HSDIN0
HSDIN1
HSDIN2
HSDIN3
HSDIN4
HSDIN5
HSDIN6
HSDIN7
HSBCLKIN
HSVALIN
HSSYNCIN
ACI_CHDI0
ACI_CHDI1
ACI_CHDI2
ACI_CHDI3
ACI_CHDI4
ACI_CHDI5
ACI_CHDI6
ACI_CHDI7
ACI_CHCLK
ACI_CHVAL
ACI_CHSYNC
MMCK
XMMCK
MMCKE
XMMCS
XMMRAS
XMMCAS
XMMWE
MMBS0
MMBS1
MMDQML0
MMDQML1
MMDQMU0STBACK
MMDQMU1TXREADY
MMLDQS0 XAMUTE
MMLDQS1
MMUDQS0XVMUTE
MMUDQS1
MMVREF
C8121 10V 0.1u
(51)
(52)
(53)
(54)
(55)
(56)
(57)

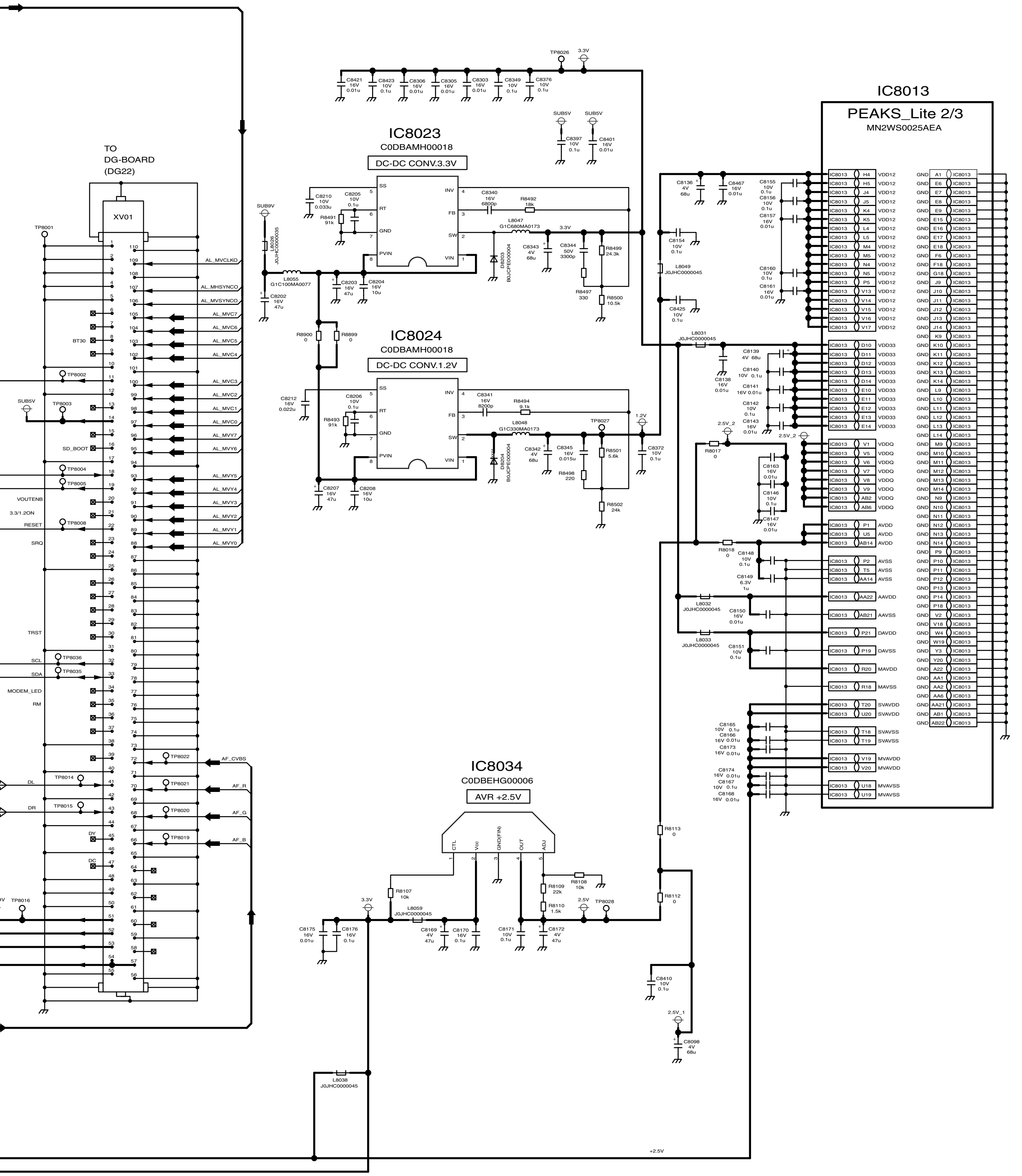
TH-37/42PX60B
XV-Board (4 of 5) Schematic Diagram

32	33	34	35	36

14.45. XV-Board (5 of 5) Schematic Diagram (PX60B)

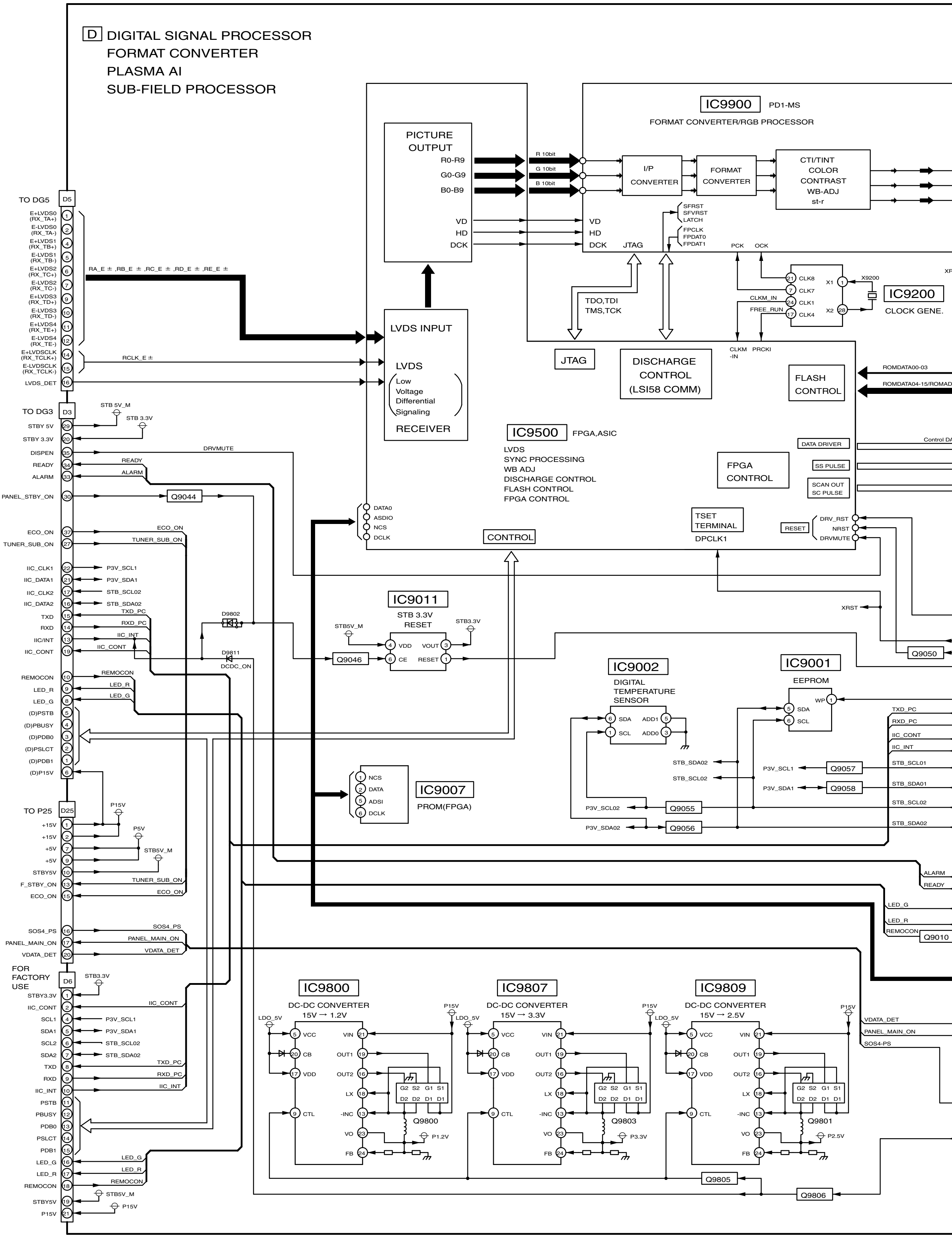

51
52
53
54
55
56
57
AL_MVC7
AL_MVC6
AL_MVC5
AL_MVC4
AL_MVC3
AL_MVC2
AL_MVC1
AL_MVC0
AL_MVY7
AL_MVY6
AL_MVY5
AL_MVY4
AL_MVY3
AL_MVY2
AL_MVY1
AL_MVY0
AL_MHSYNCO
AL_MVSYNCO
AL_MVCLKO
AD_SBI1
AD_SBO1
R8002 2.7k
R8001 10k
R8084 EXB2HV121JV
R8085 EXB2HV121JV
R8086 56
R8087 56
R8088 56
R8967 EXB2HV473JV
R8968 EXB2HV473JV
AM_MVC7
AM_MVC6
AM_MVC5
AM_MVC4
AM_MVC3
AM_MVC2
AM_MVC1
AM_MVC0
AM_MVY7
AM_MVY6
AM_MVY5
AM_MVY4
AM_MVY3
AM_MVY2
AM_MVY1
AM_MVY0
AM_MHSYNCO
AM_MVSYNCO
AM_MVCLKO
SUB5V
L8145 J0JHC0000045
3.9V
R8127 0
CVBS
AF_CVBS
AF_VDACOUT5
VIDEO LINES, GUARDING Comp.
R8101 180
C8182 50V 120p
L8106 ELJFA2R7JFB
C8186 50V 68p
R8111 0
R8124 470
R8115 2.7k
Q8101 2SA207700L
R8117 470
C8189 16V 0.1u
C8193 6.3V 100u
TP8001
SUB9V
TP8023
R8006 0
TP8002
SUB5V
TP8003
BT30
SD_BOOT
R8863 0
TP8004
TP8005
AD_SBO1
AD_SBI1
R8862 0
VOUTENB
3.3/1.2ON
AA_XRST
R8864 0
RESET
TP8008
SRQ
TRST
AD_SCL0
R8831 0
SCL
TP8036
AD_SDA0
R8832 0
SDA
TP8035
MODEM_LED
RM
DL
TP8014
DR
TP8015
DY
DC
SUB9V
TP8016
C8350 16V 0.1u
SUB5V
C8351 16V 0.1u
IC8029
C0FBBK000047
AUDIO DAC
AH_DACCK
AH_SRCK
AH_DMIX
AH_LRCK
AA_DACRST
1 MCLK
2 BICK
3 SDTI
4 LRCK
5 PDN
6 SMUTE/CSN
7 ACKS/CCLK
8 DIF0/CDTI
16 DZFL
15 DZFR
14 VDD
13 VSS
12 VCOM
11 AOUTL
10 AOUTR
9 P/S
R8912 0
SUB5V
L8042 J0JHC0000045
C8314 16V 0.1u
C8315 10V 4.7u
C8319 16V 0.1u
5.0V
R8358 47k
R8357 47k
C8317 10V 4.7u
R8479 20k
C8361 16V 47u
C8332 16V 0.01u
C8318 10V 4.7u
9.0V
R8483 20k
C8331 50V 180p
R8485 33k
R8489 1k
R8486 22k
C8335 50V 33p
R8475 10k
R8476 10k
C8327 6.3V 47u
C8329 16V 0.01u
L
R
C8330 50V 180p
R8484 22k
C8334 50V 33p
R8546 33k
R8547 1k
R8538 100
R8539 100
L8046 ELJPA1R0MFB
IC8031
BA15218FDXE2
AUDIO AMP
9.0V
TP8041
TP8042

XV-BOARD TNPA3740AB (5/5)

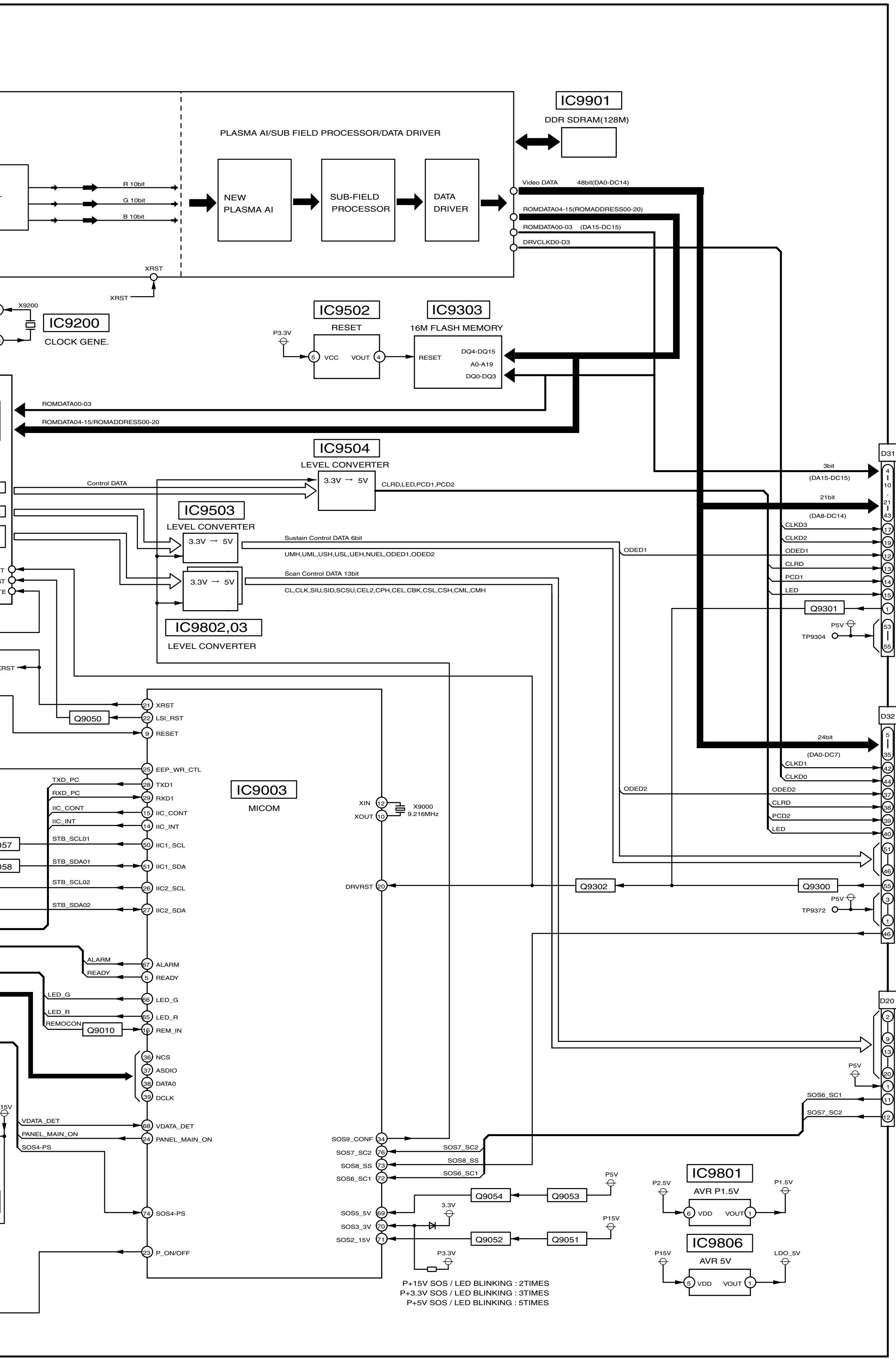

IC8013
PEAKS_Lite 2/3
MN2WS0025AEA
IC8023
C0DBAMH00018
DC-DC CONV.3.3V
IC8024
C0DBAMH00018
DC-DC CONV.1.2V
IC8034
C0DBEHG00006
AVR +2.5V
TO
DG-BOARD
(DG22)
XV01
SS
INV
RT
FB
GND
SW
PVIN
VIN
CTL
Vcc
GND(FIN)
OUT
ADJ
3.3V
1.2V
2.5V
SUB5V
SUB9V
+2.5V
AL_MVCLKO
AL_MHSYNCO
AL_MVSYNCO
AL_MVC7
AL_MVC6
AL_MVC5
AL_MVC4
AL_MVC3
AL_MVC2
AL_MVC1
AL_MVC0
AL_MVY7
AL_MVY6
AL_MVY5
AL_MVY4
AL_MVY3
AL_MVY2
AL_MVY1
AL_MVY0
AF_CVBS
AF_R
AF_G
AF_B
BT30
SD_BOOT
VOUTENB
3.3/1.2ON
RESET
SRQ
TRST
SCL
SDA
MODEM_LED
RM
DL
DR
DY
DC
VDD12
VDD33
VDDQ
AVDD
AVSS
AAVDD
AAVSS
DAVDD
DAVSS
MAVDD
MAVSS
SVAVDD
SVAVSS
MVAVDD
MVAVSS
GND
L8026 J0JHC0000035
L8055 G1C100MA0077
L8047 G1C680MA0173
L8048 G1C330MA0173
D8203 B0JCPE000004
D8204 B0JCPE000004
L8049 J0JHC0000045
L8031 J0JHC0000045
L8032 J0JHC0000045
L8033 J0JHC0000045
L8059 J0JHC0000045
L8038 J0JHC0000045
41
42
43
44
45

TH-37/42PX60B
XV-Board (5 of 5) Schematic Diagram

14.46. D-Board Block Diagram

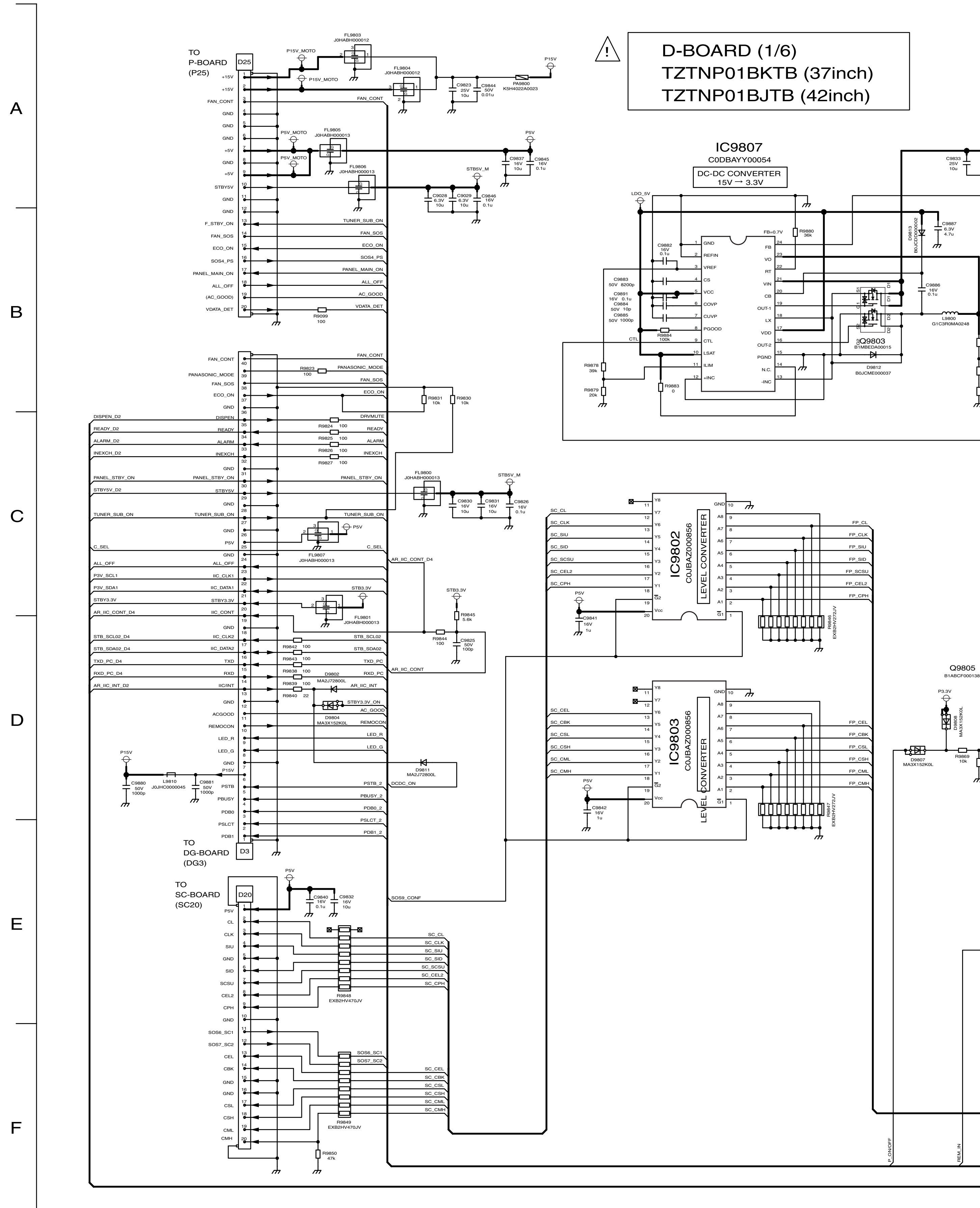

D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
TO DG5
D5
E+LVDS0 (RX_TA+)
E-LVDS0 (RX_TA-)
E+LVDS1 (RX_TB+)
E-LVDS1 (RX_TB-)
E+LVDS2 (RX_TC+)
E-LVDS2 (RX_TC-)
E+LVDS3 (RX_TD+)
E-LVDS3 (RX_TD-)
E+LVDS4 (RX_TE+)
E-LVDS4 (RX_TE-)
E+LVDSCLK (RX_TCLK+)
E-LVDSCLK (RX_TCLK-)
LVDS_DET
RA_E ± ,RB_E ± ,RC_E ± ,RD_E ± ,RE_E ±
RCLK_E ±
TO DG3
D3
STBY 5V
STBY 3.3V
DISPEN
READY
ALARM
PANEL_STBY_ON
ECO_ON
TUNER_SUB_ON
IIC_CLK1
IIC_DATA1
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
IIC_CONT
REMOCON
LED_R
LED_G
(D)PSTB
(D)PBUSY
(D)PDB0
(D)PSLCT
(D)PDB1
(D)P15V
STB 5V_M
STB 3.3V
DRVMUTE
Q9044
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
IIC_INT
D9802
D9811
DCDC_ON
TO P25
D25
+15V
+5V
STBY5V
F_STBY_ON
P15V
P5V
STB5V_M
SOS4_PS
PANEL_MAIN_ON
VDATA_DET
FOR FACTORY USE
D6
STBY3.3V
SCL1
SDA1
SCL2
SDA2
PSTB
PBUSY
PDB0
PSLCT
PDB1
STB3.3V
PICTURE OUTPUT
R0-R9
G0-G9
B0-B9
VD
HD
DCK
LVDS INPUT
LVDS
Low Voltage Differential Signaling
RECEIVER
IC9900
PD1-MS
FORMAT CONVERTER/RGB PROCESSOR
R 10bit
G 10bit
B 10bit
I/P CONVERTER
FORMAT CONVERTER
CTI/TINT COLOR CONTRAST WB-ADJ st-r
SFRST
SFVRST
LATCH
FPCLK
FPDAT0
FPDAT1
JTAG
PCK
OCK
TDO,TDI TMS,TCK
CLK8
CLK7
CLK1
CLK4
X1
X2
X9200
IC9200
CLOCK GENE.
CLKM_IN
FREE_RUN
CLKM -IN
PRCKI
JTAG
DISCHARGE CONTROL (LSI58 COMM)
FLASH CONTROL
ROMDATA00-03
ROMDATA04-15/ROMAD
IC9500
FPGA,ASIC
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
FPGA CONTROL
DATA DRIVER
SS PULSE
SCAN OUT SC PULSE
Control DA
DATA0
ADSIO
NCS
DCLK
CONTROL
TSET TERMINAL
DPCLK1
RESET
DRV_RST
NRST
DRVMUTE
XRST
Q9050
IC9011
STB 3.3V RESET
STB5V_M
STB3.3V
VDD
VOUT
CE
RESET
Q9046
IC9002
DIGITAL TEMPERATURE SENSOR
SDA
SCL
ADD1
ADD0
IC9001
EEPROM
WP
STB_SDA02
STB_SCL02
P3V_SCL1
P3V_SDA1
Q9057
Q9058
P3V_SCL02
P3V_SDA02
Q9055
Q9056
TXD_PC
RXD_PC
IIC_CONT
IIC_INT
STB_SCL01
STB_SDA01
STB_SCL02
STB_SDA02
IC9007
PROM(FPGA)
NCS
DATA
ADSI
DCLK
ALARM
READY
LED_G
LED_R
REMOCON
Q9010
IC9800
DC-DC CONVERTER
15V → 1.2V
IC9807
15V → 3.3V
IC9809
15V → 2.5V
LDO_5V
P15V
VCC
VIN
CB
OUT1
VDD
OUT2
LX
CTL
-INC
VO
FB
G2 S2 G1 S1
D2 D2 D1 D1
Q9800
Q9803
Q9801
P1.2V
P3.3V
P2.5V
Q9805
Q9806
VDATA_DET
PANEL_MAIN_ON
SOS4-PS

TH-37/42PV60E, TH-37/42PX60B
D-Board Block Diagram

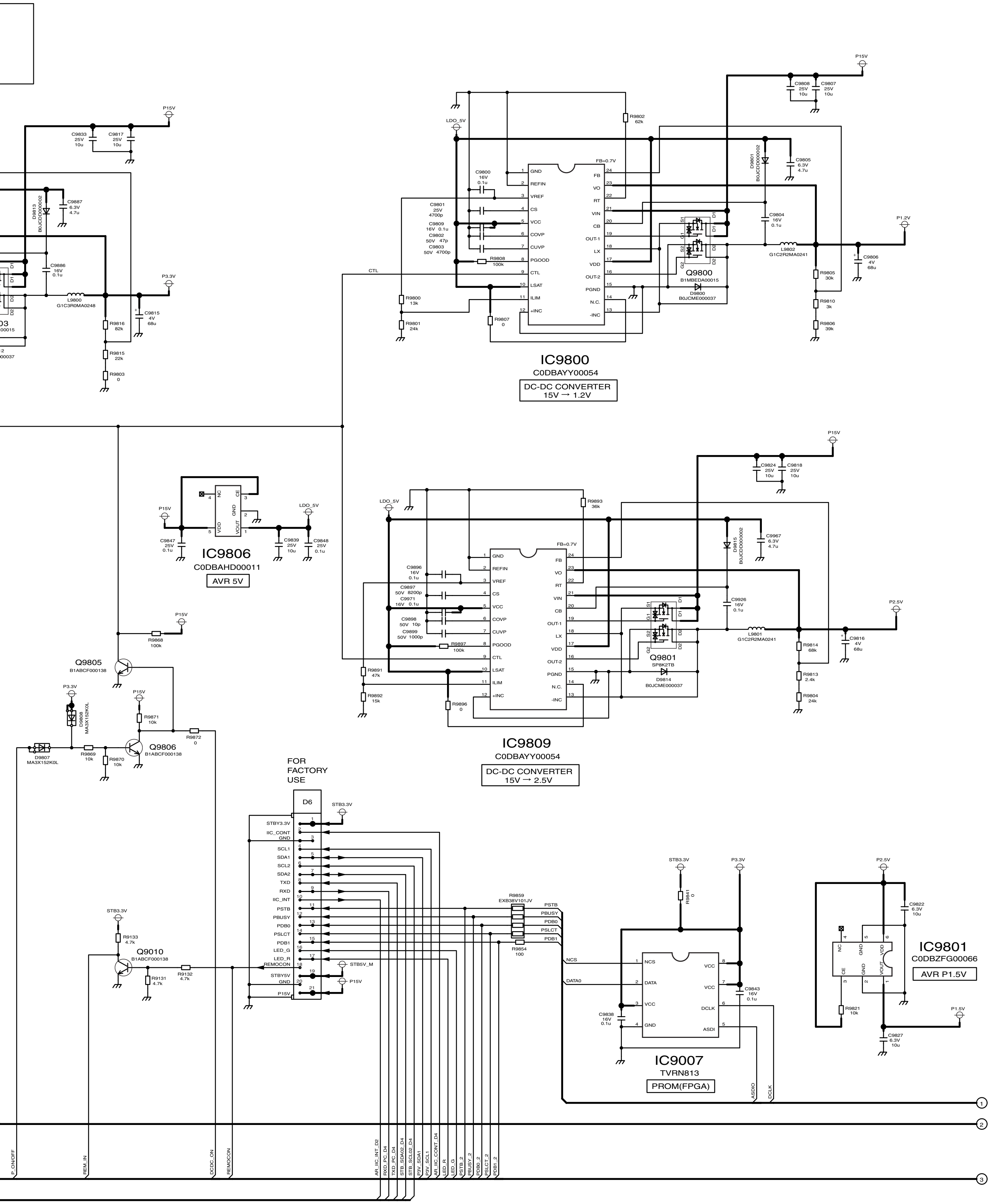

PLASMA AI/SUB FIELD PROCESSOR/DATA DRIVER
R 10bit
G 10bit
B 10bit
NEW PLASMA AI
SUB-FIELD PROCESSOR
DATA DRIVER
XRST
IC9901
DDR SDRAM(128M)
Video DATA 48bit(DA0-DC14)
ROMDATA04-15(ROMADDRESS00-20)
ROMDATA00-03 (DA15-DC15)
DRVCLKD0-D3
X9200
IC9200
CLOCK GENE.
IC9502
RESET
P3.3V
VCC
VOUT
IC9303
16M FLASH MEMORY
RESET
DQ4-DQ15
A0-A19
DQ0-DQ3
ROMDATA00-03
ROMDATA04-15/ROMADRESS00-20
IC9504
LEVEL CONVERTER
Control DATA
3.3V → 5V
CLRD,LED,PCD1,PCD2
IC9503
LEVEL CONVERTER
Sustain Control DATA 6bit
UMH,UML,USH,USL,UEH,NUEL,ODED1,ODED2
Scan Control DATA 13bit
CL,CLK,SIU,SID,SCSU,CEL2,CPH,CEL,CBK,CSL,CSH,CML,CMH
IC9802,03
LEVEL CONVERTER
ODED1
ODED2
D31 TO C11
3bit
(DA15-DC15)
21bit
(DA8-DC14)
DOUTDA8
DOUTDC15
CLKD3
CLKD2
CLRD
PCD1
LED
CLK3
CLK2
5VDET
Q9301
P5V
TP9304
D32 TO C21
24bit
(DA0-DC7)
DOUTDA0
DOUTDC7
CLKD1
CLKD0
CLK1
CLK0
PCD2
SUSTAIN DATA
Q9302
Q9300
TP9372
SS_SOS8
D20 TO SC20
SCAN DATA
DRV_SOS7 (SC_SOS6)
DRV_SOS2 (SC_SOS7)
SOS6_SC1
SOS7_SC2
IC9003
MICOM
XRST
LSI_RST
RESET
Q9050
EEP_WR_CTL
TXD_PC
RXD_PC
TXD1
RXD1
IIC_CONT
IIC_INT
STB_SCL01
STB_SDA01
STB_SCL02
STB_SDA02
IIC1_SCL
IIC1_SDA
IIC2_SCL
IIC2_SDA
XIN
XOUT
X9000
9.216MHz
DRVRST
ALARM
READY
LED_G
LED_R
REMOCON
Q9010
REM_IN
NCS
ASDIO
DATA0
DCLK
VDATA_DET
PANEL_MAIN_ON
SOS4-PS
P_ON/OFF
SOS9_CONF
SOS7_SC2
SOS8_SS
SOS6_SC1
SOS5_5V
SOS3_3V
SOS2_15V
Q9054
Q9053
Q9052
Q9051
3.3V
P15V
P3.3V
IC9801
AVR P1.5V
P2.5V
P1.5V
VDD
VOUT
IC9806
AVR 5V
LDO_5V
P+15V SOS / LED BLINKING : 2TIMES
P+3.3V SOS / LED BLINKING : 3TIMES
P+5V SOS / LED BLINKING : 5TIMES

TH-37/42PV60E, TH-37/42PX60B
D-Board Block Diagram

14.47. D-Board (1 of 6) Schematic Diagram

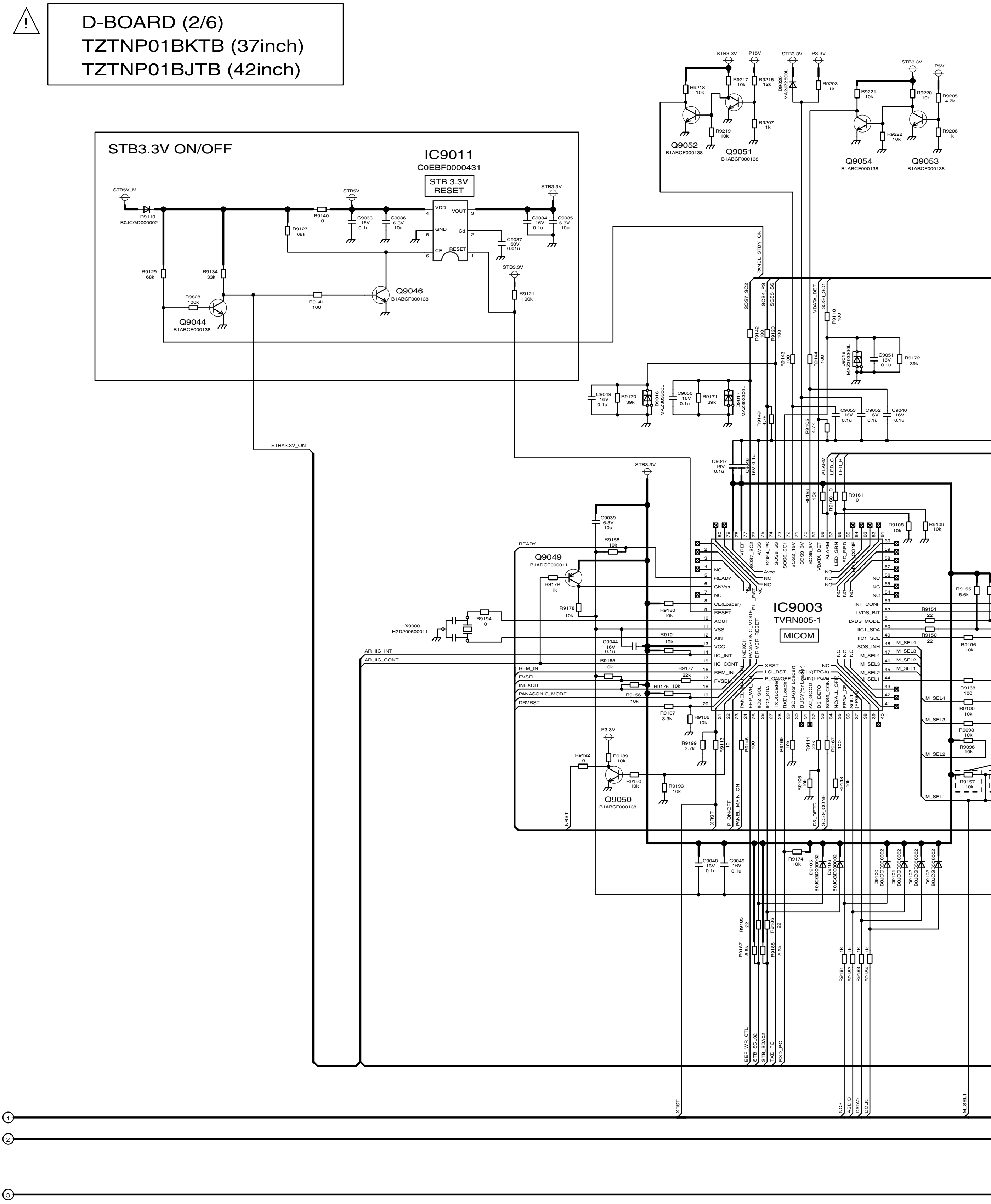

D-BOARD (1/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)
A
B
C
D
E
F
TO P-BOARD (P25)
D25
+15V
FAN_CONT
GND
+5V
STBY5V
F_STBY_ON
FAN_SOS
ECO_ON
SOS4_PS
PANEL_MAIN_ON
ALL_OFF
(AC_GOOD)
VDATA_DET
P15V_MOTO
P5V_MOTO
FL9803 J0HABH000012
FL9804 J0HABH000012
FL9805 J0HABH000013
FL9806 J0HABH000013
C9823 25V 10u
C9844 50V 0.01u
PA9800 K5H4022A0023
P15V
P5V
C9837 16V 10u
C9845 16V 0.1u
STB5V_M
C9028 6.3V 10u
C9029 6.3V 10u
C9846 16V 0.1u
TUNER_SUB_ON
AC_GOOD
VDATA_DET
R9099 100
IC9807
C0DBAYY00054
DC-DC CONVERTER 15V → 3.3V
LDO_5V
GND
REFIN
VREF
CS
VCC
COVP
CUVP
PGOOD
CTL
LSAT
ILIM
+INC
FB
VO
RT
VIN
CB
OUT-1
LX
VDD
OUT-2
PGND
N.C.
-INC
FB=0.7V
R9880 36k
C9882 16V 0.1u
C9883 50V 8200p
C9891 16V 0.1u
C9884 50V 10p
C9885 50V 1000p
R9884 100k
R9878 39k
R9879 20k
R9883 0
C9833 25V 10u
C9887 6.3V 4.7u
D9813 B0JCDD000002
C9886 16V 0.1u
L9800 G1C3R0MA0248
Q9803 B1MBEDA00015
D9812 B0JCME000037
S1
G1
D1
S2
G2
D2
PANASONIC_MODE
DISPEN_D2
READY_D2
ALARM_D2
INEXCH_D2
PANEL_STBY_ON
STBY5V_D2
TUNER_SUB_ON
C_SEL
ALL_OFF
P3V_SCL1
P3V_SDA1
STBY3.3V
AR_IIC_CONT_D4
STB_SCL02_D4
STB_SDA02_D4
TXD_PC_D4
RXD_PC_D4
AR_IIC_INT_D2
DISPEN
READY
ALARM
INEXCH
STBY5V
IIC_CLK1
IIC_DATA1
IIC_CONT
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
ACGOOD
REMOCON
LED_R
LED_G
PSTB
PBUSY
PDB0
PSLCT
PDB1
R9823 100
R9831 10k
R9830 10k
DRVMUTE
R9824 100
R9825 100
R9826 100
R9827 100
FL9800 J0HABH000013
C9830 16V 10u
C9831 16V 10u
C9826 16V 0.1u
FL9807 J0HABH000013
AR_IIC_CONT_D4
STB3.3V
FL9801 J0HABH000013
R9845 5.6k
R9844 100
C9825 50V 100p
R9842 100
R9843 100
R9838 100
R9839 100
R9840 22
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
AR_IIC_CONT
D9802 MA2J72800L
AR_IIC_INT
STBY3.3V_ON
AC_GOOD
D9804 MA3X152K0L
D9811 MA2J72800L
PSTB_2
DCDC_ON
PBUSY_2
PDB0_2
PSLCT_2
PDB1_2
C9880 50V 1000p
L9810 J0JHC0000045
C9881 50V 1000p
TO DG-BOARD (DG3)
D3
TO SC-BOARD (SC20)
D20
CL
CLK
SIU
SID
SCSU
CEL2
CPH
SOS6_SC1
SOS7_SC2
CEL
CBK
CSL
CSH
CML
CMH
C9840 16V 0.1u
C9832 16V 10u
SOS9_CONF
SC_CL
SC_CLK
SC_SIU
SC_SID
SC_SCSU
SC_CEL2
SC_CPH
R9848 EXB2HV470JV
SC_CEL
SC_CBK
SC_CSL
SC_CSH
SC_CML
SC_CMH
R9849 EXB2HV470JV
R9850 47k
IC9802
C0JBAZ000856
LEVEL CONVERTER
IC9803
C0JBAZ000856
LEVEL CONVERTER
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
A8
A7
A6
A5
A4
A3
A2
A1
G1
C9841 16V 1u
C9842 16V 1u
FP_CL
FP_CLK
FP_SIU
FP_SID
FP_SCSU
FP_CEL2
FP_CPH
FP_CEL
FP_CBK
FP_CSL
FP_CSH
FP_CML
FP_CMH
R9846 EXB2HV272JV
R9847 EXB2HV272JV
Q9805
B1ABCF000138
P3.3V
D9808 MA3X152K0L
D9807 MA3X152K0L
R9869 10k
P_ON/OFF
REM_IN
1
2
3
4
5

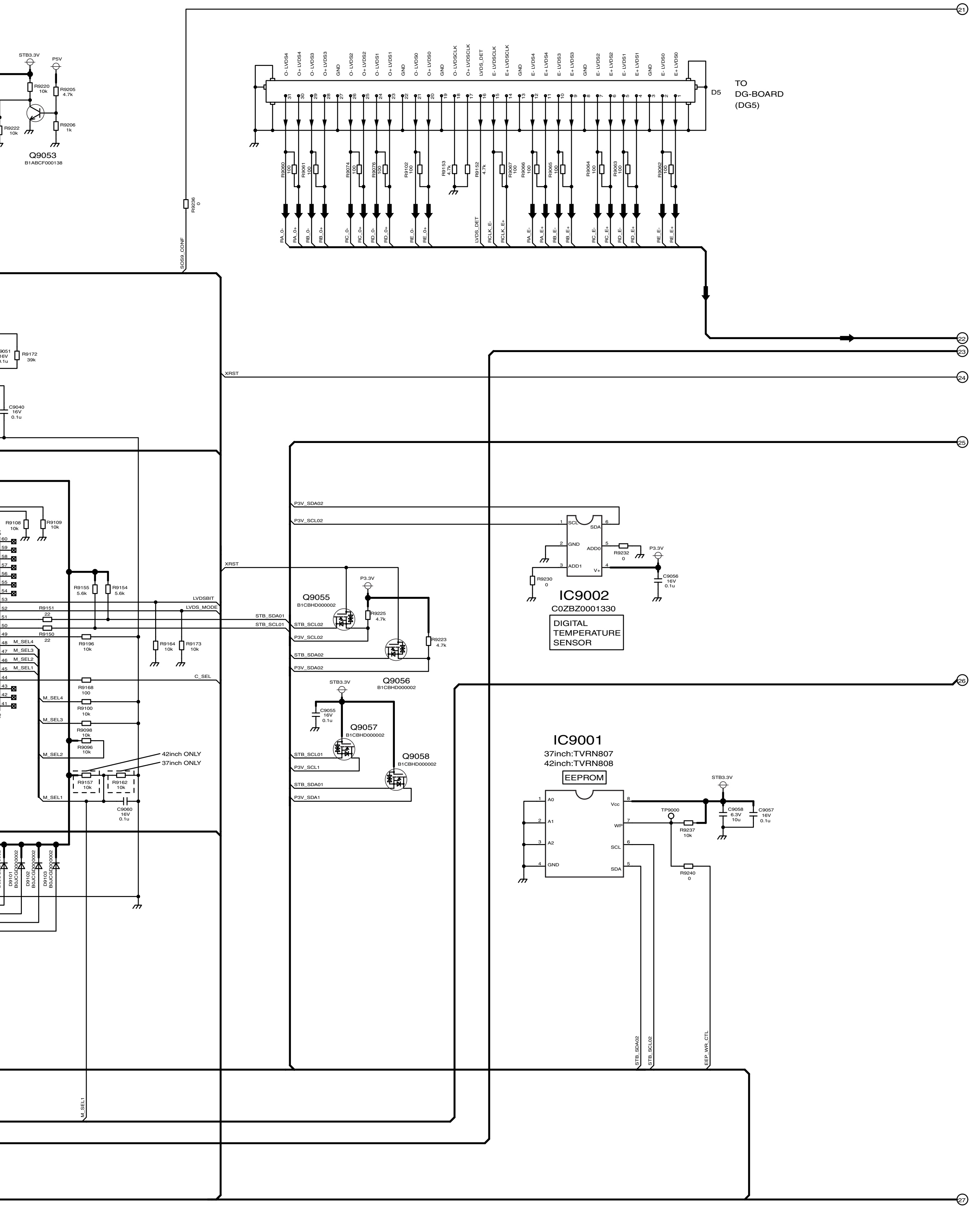
TH-37/42PV60E, TH-37/42PX60B D-Board (1 of 6) Schematic Diagram


IC9800
C0DBAYY00054
DC-DC CONVERTER
15V → 1.2V
Q9800
B1MBEDA00015
D9800
B0JCME000037
L9802
G1C2R2MA0241
P15V
P1.2V
LDO_5V
CTL
FB=0.7V
GND
REFIN
VREF
CS
VCC
COVP
CUVP
PGOOD
CTL
LSAT
ILIM
+INC
FB
VO
RT
VIN
CB
OUT-1
LX
VDD
OUT-2
PGND
N.C.
-INC
IC9806
C0DBAHD00011
AVR 5V
IC9809
C0DBAYY00054
DC-DC CONVERTER
15V → 2.5V
Q9801
SP8K2TB
D9814
B0JCME000037
L9801
G1C2R2MA0241
P2.5V
L9800
G1C3R0MA0248
P3.3V
Q9805
B1ABCF000138
Q9806
B1ABCF000138
D9808
MA3X152K0L
D9807
MA3X152K0L
Q9010
B1ABCF000138
FOR
FACTORY
USE
D6
STB3.3V
STBY3.3V
IIC_CONT
GND
SCL1
SDA1
SCL2
SDA2
TXD
RXD
IIC_INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
LED_G
LED_R
REMOCON
STBY5V
GND
P15V
STB5V_M
R9859
EXB38V101JV
R9854
100
NCS
DATA0
IC9007
TVRN813
PROM(FPGA)
NCS
DATA
VCC
GND
VCC
VCC
DCLK
ASDI
ASDIO
DCLK
IC9801
C0DBZFG00066
AVR P1.5V
P1.5V
P_ON/OFF
REM_IN
DCDC_ON
REMOCON
AR_IIC_INT_D2
RXD_PC_D4
TXD_PC_D4
STB_SDA02_D4
STB_SCL02_D4
P3V_SDA1
P3V_SCL1
AR_IIC_CONT_D4
LED_R
LED_G
PSTB_2
PBUSY_2
PDB0_2
PSLCT_2
PDB1_2
1
2
3

TH-37/42PV60E, TH-37/42PX60B
D-Board (1 of 6) Schematic Diagram

14.48. D-Board (2 of 6) Schematic Diagram

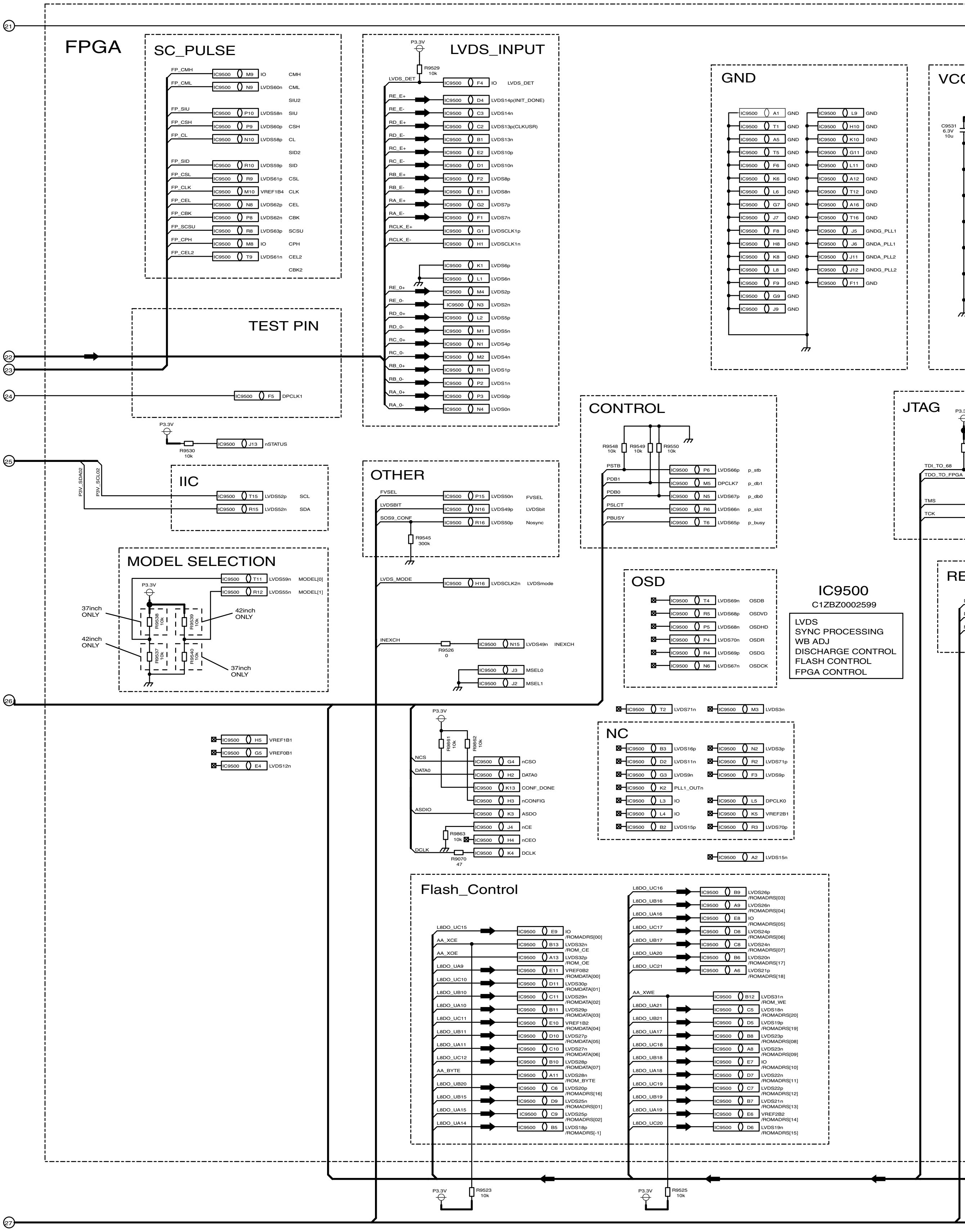

D-BOARD (2/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)
STB3.3V ON/OFF
IC9011
C0EBF0000431
STB 3.3V
RESET
VDD
VOUT
GND
Cd
CE
RESET
STB5V_M
D9110
B0JCGD000002
STB5V
STB3.3V
R9140 0
R9127 68k
C9033 16V 0.1u
C9036 6.3V 10u
C9034 16V 0.1u
C9035 6.3V 10u
C9037 50V 0.01u
R9129 68k
R9134 33k
R9828 100k
R9141 100
R9121 100k
Q9044
B1ABCF000138
Q9046
B1ABCF000138
STBY3.3V_ON
Q9052
B1ABCF000138
Q9051
B1ABCF000138
Q9054
B1ABCF000138
Q9053
B1ABCF000138
P15V
P3.3V
P5V
R9218 10k
R9217 10k
R9215 12k
R9219 10k
R9207 1k
R9203 1k
R9221 10k
R9220 10k
R9205 4.7k
R9222 10k
R9206 1k
D9020
MA2J72800L
PANEL_STBY_ON
SOS7_SC2
SOS4_PS
SOS8_SS
VDATA_DET
SOS6_SC1
R9142 100
R9120 100
R9143 100
R9144 100
R9110 100
D9019
MAZ8033D0L
C9051 16V 0.1u
R9172 39k
C9049 16V 0.1u
R9170 39k
D9018
MAZ8033D0L
C9050 16V 0.1u
R9171 39k
D9017
MAZ8033D0L
R9149 4.7k
R9105 4.7k
C9053 16V 0.1u
C9052 16V 0.1u
C9040 16V 0.1u
C9047 16V 0.1u
C9046 16V 0.1u
ALARM
LED_G
LED_R
R9159 10k
R9160 0
R9161 0
R9108 10k
R9109 10k
C9039 6.3V 10u
R9158 10k
READY
Q9049
B1ADCE000011
R9179 1k
R9178 10k
R9180 10k
X9000
H2D200500011
R9194 0
C9044 16V 0.1u
R9101 10k
R9165 10k
R9177 22k
R9175 10k
R9156 10k
R9107 3.3k
R9166 10k
R9199 2.7k
AR_IIC_INT
AR_IIC_CONT
REM_IN
FVSEL
INEXCH
PANASONIC_MODE
DRVRST
IC9003
TVRN805-1
MICOM
NC
READY
CNVss
CE(Loader)
RESET
XOUT
VSS
XIN
VCC
IIC_INT
IIC_CONT
REM_IN
FVSEL
VREF
AVSS
SOS7_SC2
SOS4_PS
SOS8_SS
SOS6_SC1
SOS2_15V
SOS3_3V
SOS5_5V
VDATA_DET
ALARM
LED_GRN
LED_RED
MAIN_CONF
Avcc
PLL_RST
INT_CONF
LVDS_BIT
LVDS_MODE
IIC1_SDA
IIC1_SCL
SOS_INH
M_SEL4
M_SEL3
M_SEL2
M_SEL1
XRST
LSI_RST
P_ON/OFF
INEXCH
PANASONIC_MODE
DRIVER_RESET
PANEL_MAIN_ON
EEP_WR_CTL
IIC2_SCL
IIC2_SDA
TXD(Loader)
RXD(Loader)
SCLK(for Loader)
BUSY(for Loader)
AC_GOOD
D5_DETO
SOS9_CONF
NCALL_CPU
FPGA_CE
SOUT (FPGA)
SCLK(FPGA)
SIN(FPGA)
R9151 22
R9150 22
R9155 5.6k
R9196 10k
R9168 100
R9100 10k
R9098 10k
R9096 10k
R9157 10k
P3.3V
R9192 0
R9189 10k
R9190 10k
R9193 10k
Q9050
B1ABCF000138
NRST
R9113 10
R9145 100
R9169 10k
R9111 22k
R9167 100
R9106 10k
R9148 10k
P_ON/OFF
PANEL_MAIN_ON
XRST
D5_DETO
SOS9_CONF
C9048 16V 0.1u
C9045 16V 0.1u
R9174 10k
D9105 B0JCGD000002
D9106 B0JCGD000002
D9100 B0JCGD000002
D9101 B0JCGD000002
D9102 B0JCGD000002
D9103 B0JCGD000002
R9185 22
R9186 22
R9187 5.6k
R9188 5.6k
R9181 1k
R9182 1k
R9183 1k
R9184 1k
EEP_WR_CTL
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
XRST
NCS
ASDIO
DATA0
DCLK
M_SEL1
①
②
③


STB3.3V
P5V
R9220 10k
R9205 4.7k
R9222 10k
R9206 1k
Q9053
B1ABCF000138
R9236 0
SOS9_CONF
TO
DG-BOARD
(DG5)
D5
O- LVDS4
O+ LVDS4
O- LVDS3
O+ LVDS3
GND
O- LVDS2
O+ LVDS2
O- LVDS1
O+ LVDS1
GND
O- LVDS0
O+ LVDS0
GND
O- LVDSCLK
O+ LVDSCLK
LVDS_DET
E- LVDSCLK
E+ LVDSCLK
GND
E- LVDS4
E+ LVDS4
E- LVDS3
E+ LVDS3
GND
E- LVDS2
E+ LVDS2
E- LVDS1
E+ LVDS1
GND
E- LVDS0
E+ LVDS0
R9060 100
R9061 100
R9074 100
R9075 100
R9102 100
R9153 4.7k
R9152 4.7k
R9067 100
R9066 100
R9065 100
R9064 100
R9063 100
R9062 100
RA_0-
RA_0+
RB_0-
RB_0+
RC_0-
RC_0+
RD_0-
RD_0+
RE_0-
RE_0+
LVDS_DET
RCLK_E-
RCLK_E+
RA_E-
RA_E+
RB_E-
RB_E+
RC_E-
RC_E+
RD_E-
RD_E+
RE_E-
RE_E+
21
22
23
24
25
26
27
C9051 16V 0.1u
R9172 39k
XRST
C9040 16V 0.1u
R9108 10k
R9109 10k
R9155 5.6k
R9154 5.6k
R9151 22
R9150 22
R9196 10k
R9164 10k
R9173 10k
LVDSBIT
LVDS_MODE
STB_SDA01
STB_SCL01
M_SEL4
M_SEL3
M_SEL2
M_SEL1
C_SEL
R9168 100
R9100 10k
R9098 10k
R9096 10k
42inch ONLY
37inch ONLY
R9157 10k
R9162 10k
C9060 16V 0.1u
D9101 B0JCGD000002
D9102 B0JCGD000002
D9103 B0JCGD000002
M_SEL1
P3V_SDA02
P3V_SCL02
Q9055
B1CBHD000002
P3.3V
R9225 4.7k
R9223 4.7k
STB_SDA01
STB_SCL02
P3V_SCL02
STB_SDA02
P3V_SDA02
Q9056
B1CBHD000002
STB3.3V
C9055 16V 0.1u
Q9057
B1CBHD000002
Q9058
B1CBHD000002
STB_SCL01
P3V_SCL1
STB_SDA01
P3V_SDA1
SCL
SDA
GND
ADD0
ADD1
V+
R9232 0
P3.3V
R9230 0
C9056 16V 0.1u
IC9002
C0ZBZ0001330
DIGITAL
TEMPERATURE
SENSOR
IC9001
37inch:TVRN807
42inch:TVRN808
EEPROM
A0
A1
A2
GND
Vcc
WP
SCL
SDA
STB3.3V
TP9000
R9237 10k
C9058 6.3V 10u
C9057 16V 0.1u
R9240 0
STB_SDA02
STB_SCL02
EEP_WR_CTL

TH-37/42PV60E, TH-37/42PX60B
D-Board (2 of 6) Schematic Diagram

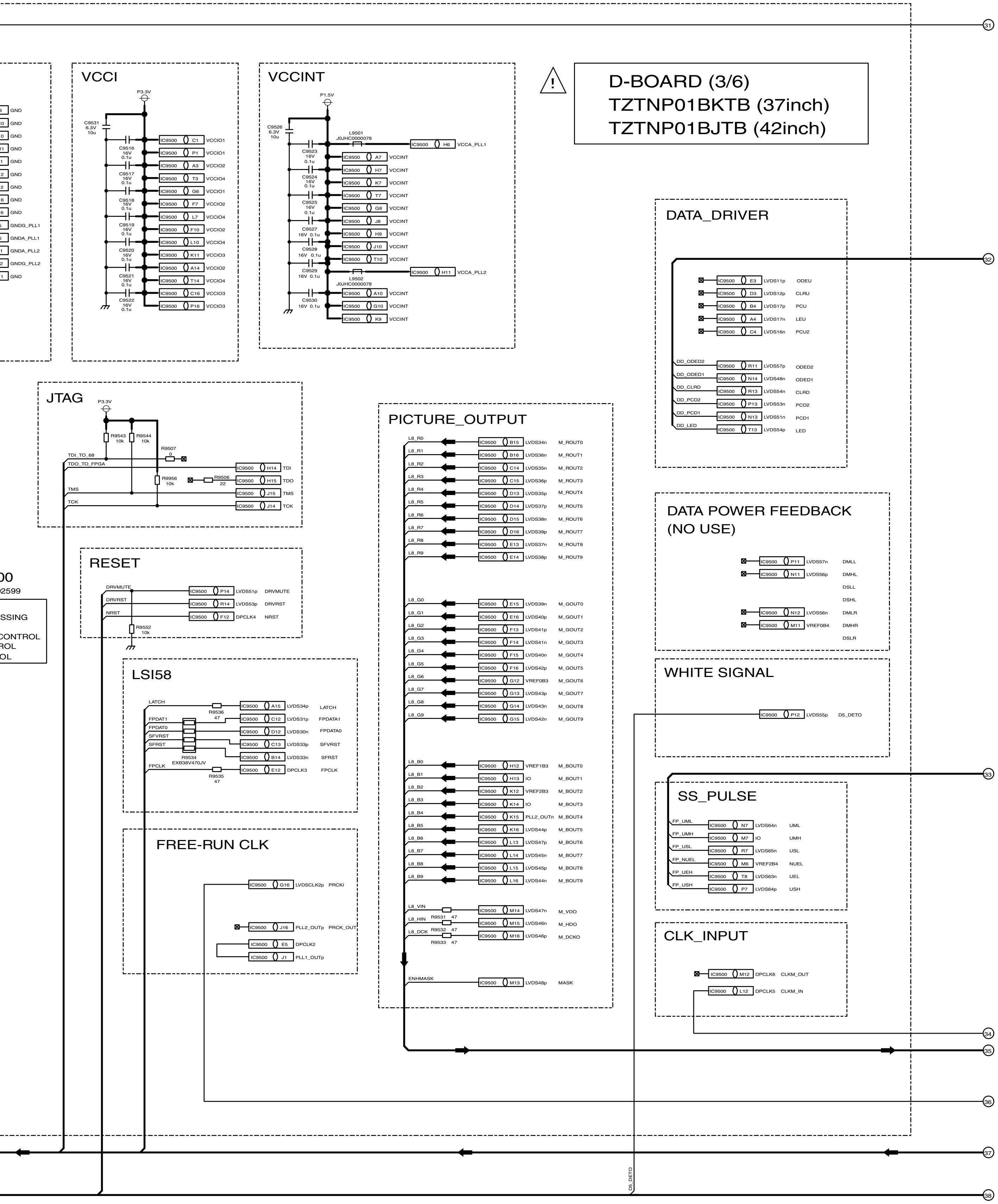
14	15	16	17	18

14.49. D-Board (3 of 6) Schematic Diagram


FPGA
SC_PULSE
LVDS_INPUT
GND
TEST PIN
CONTROL
JTAG
IIC
OTHER
MODEL SELECTION
37inch ONLY
42inch ONLY
OSD
IC9500
C1ZBZ0002599
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
NC
Flash_Control
P3.3V
21
22
23
24
25
26
27

TH-37/42PV60E, TH-37/42PX60B
D-Board (3 of 6) Schematic Diagram

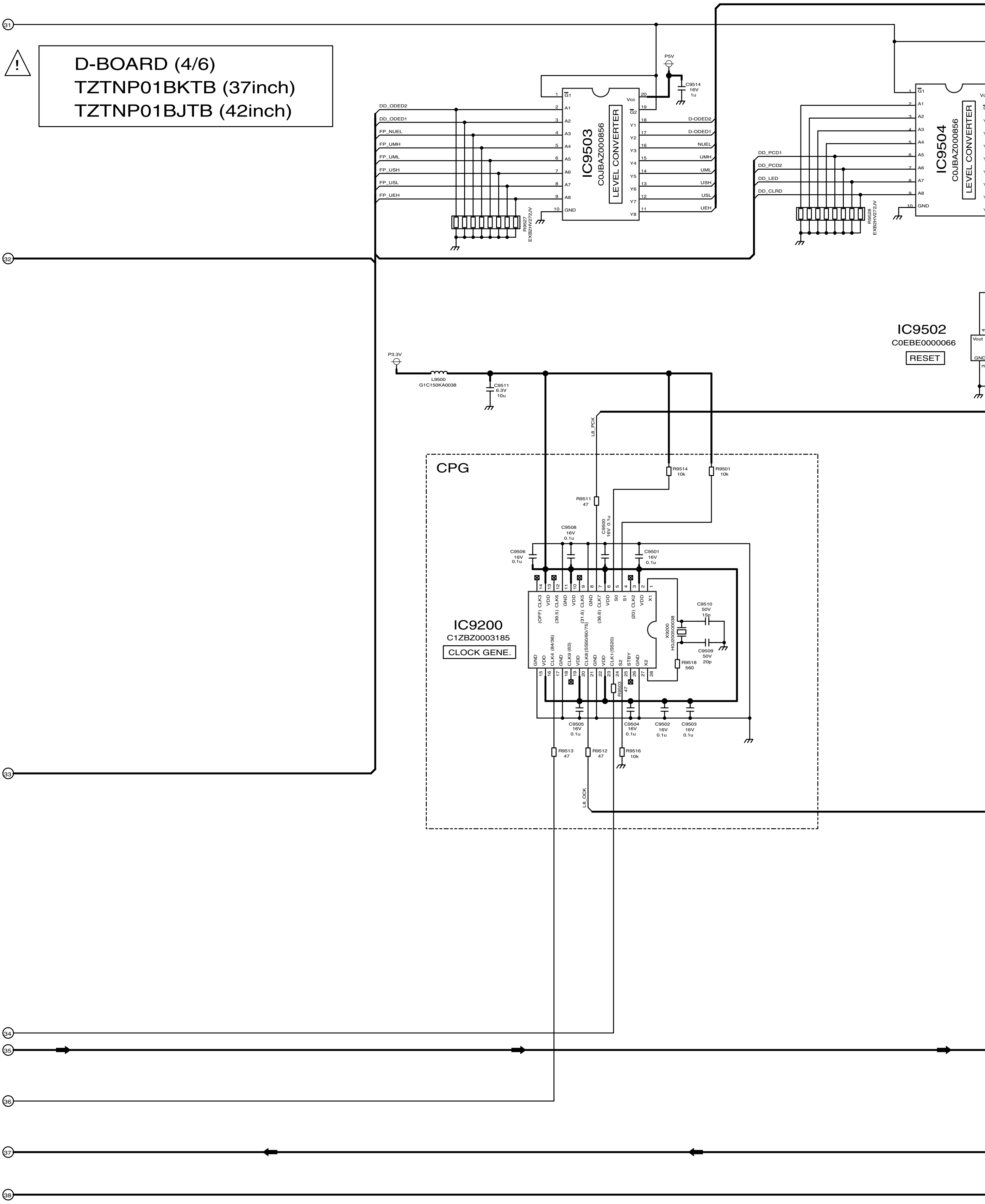
19 20 21 22 23


D-BOARD (3/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)
VCCI
P3.3V
C9531 6.3V 10u
C9516 16V 0.1u
C9517 16V 0.1u
C9518 16V 0.1u
C9519 16V 0.1u
C9520 16V 0.1u
C9521 16V 0.1u
C9522 16V 0.1u
VCCIO1
VCCIO2
VCCIO3
VCCIO4
VCCINT
P1.5V
C9526 6.3V 10u
L9501 J0JHC0000078
L9502 J0JHC0000078
VCCA_PLL1
VCCA_PLL2
GND
GNDG_PLL1
GNDA_PLL1
GNDA_PLL2
GNDG_PLL2
DATA_DRIVER
ODEU
CLRU
PCU
LEU
PCU2
DD_ODED2
DD_ODED1
DD_CLRD
DD_PCD2
DD_PCD1
DD_LED
ODED2
ODED1
CLRD
PCD2
PCD1
LED
JTAG
P3.3V
R9543 10k
R9544 10k
R9507 0
R9506 22
R9956 10k
TDI_TO_68
TDO_TO_FPGA
TMS
TCK
TDI
TDO
PICTURE_OUTPUT
L8_R0
M_ROUT0
L8_G0
M_GOUT0
L8_B0
M_BOUT0
L8_VIN
L8_HIN
L8_DCK
R9531 47
R9532 47
R9533 47
M_VDO
M_HDO
M_DCKO
ENHMASK
MASK
DATA POWER FEEDBACK
(NO USE)
DMLL
DMHL
DSLL
DSHL
DMLR
DMHR
DSLR
RESET
DRVMUTE
DRVRST
NRST
R9552 10k
LSI58
LATCH
FPDAT1
FPDAT0
SFVRST
SFRST
FPCLK
R9536 47
R9534 EXB38V470JV
R9535 47
FPDATA1
FPDATA0
WHITE SIGNAL
D5_DETO
SS_PULSE
FP_UML
FP_UMH
FP_USL
FP_NUEL
FP_UEH
FP_USH
UML
UMH
USL
NUEL
UEL
USH
FREE-RUN CLK
PRCKI
PRCK_OUT
DPCLK2
PLL1_OUTp
PLL2_OUTp
LVDSCLK2p
CLK_INPUT
CLKM_OUT
CLKM_IN
IC9500
31
32
33
34
35
36
37
38

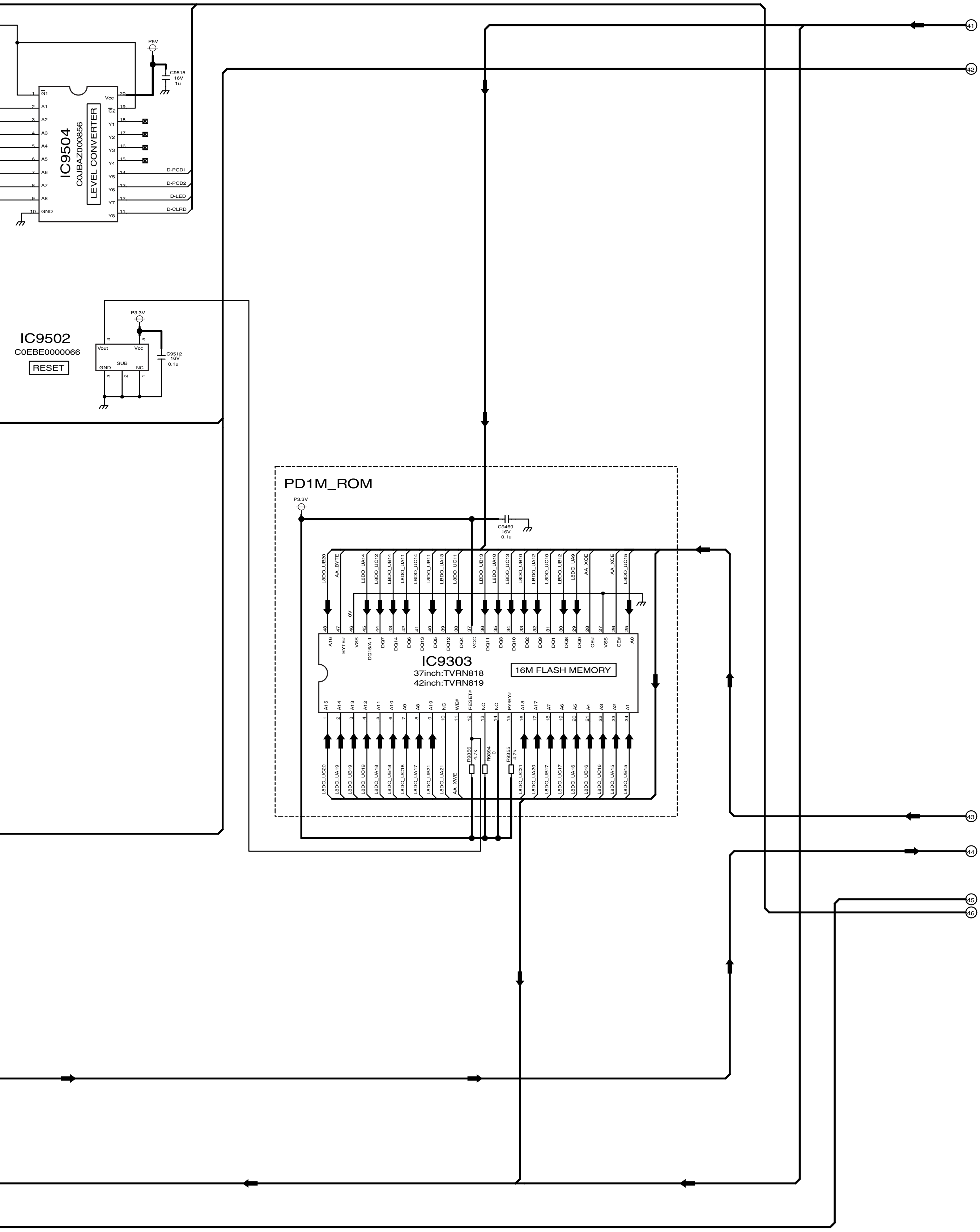
TH-37/42PV60E, TH-37/42PX60B
D-Board (3 of 6) Schematic Diagram

23 24 25 26 27

14.50. D-Board (4 of 6) Schematic Diagram


D-BOARD (4/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)
31
32
33
34
35
36
37
38
DD_ODED2
DD_ODED1
FP_NUEL
FP_UMH
FP_UML
FP_USH
FP_USL
FP_UEH
R9527
EXB2HV272JV
IC9503
C0JBAZ000856
LEVEL CONVERTER
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
D-ODED2
D-ODED1
NUEL
UMH
UML
USH
USL
UEH
P5V
C9514
16V
1u
DD_PCD1
DD_PCD2
DD_LED
DD_CLRD
R9528
EXB2HV272JV
IC9504
C0JBAZ000856
LEVEL CONVERTER
IC9502
C0EBE0000066
RESET
Vout
GND
P3.3V
L9500
G1C150KA0038
C9511
6.3V
10u
L8_PCK
CPG
R9514
10k
R9501
10k
R9511
47
C9508
16V
0.1u
C9500
16V 0.1u
C9506
16V
0.1u
C9501
16V
0.1u
IC9200
C1ZBZ0003185
CLOCK GENE.
(OFF) CLK3
VDD
(39.5) CLK6
GND
VDD
(31.6) CLK5
GND
(36.6) CLK7
VDD
S0
S1
(20) CLK2
VDD
X1
GND
VDD
CLK4 (84/36)
GND
CLK9 (63)
VDD
CLK8(SS50/60/75)
GND
VDD
CLK1(SS20)
S2
STBY
GND
X2
X9200
H0J200500038
C9510
50V
15p
C9509
50V
20p
R9518
560
R9503
47
C9505
16V
0.1u
C9504
16V
0.1u
C9502
16V
0.1u
C9503
16V
0.1u
R9513
47
R9512
47
R9516
10k
L8_OCK

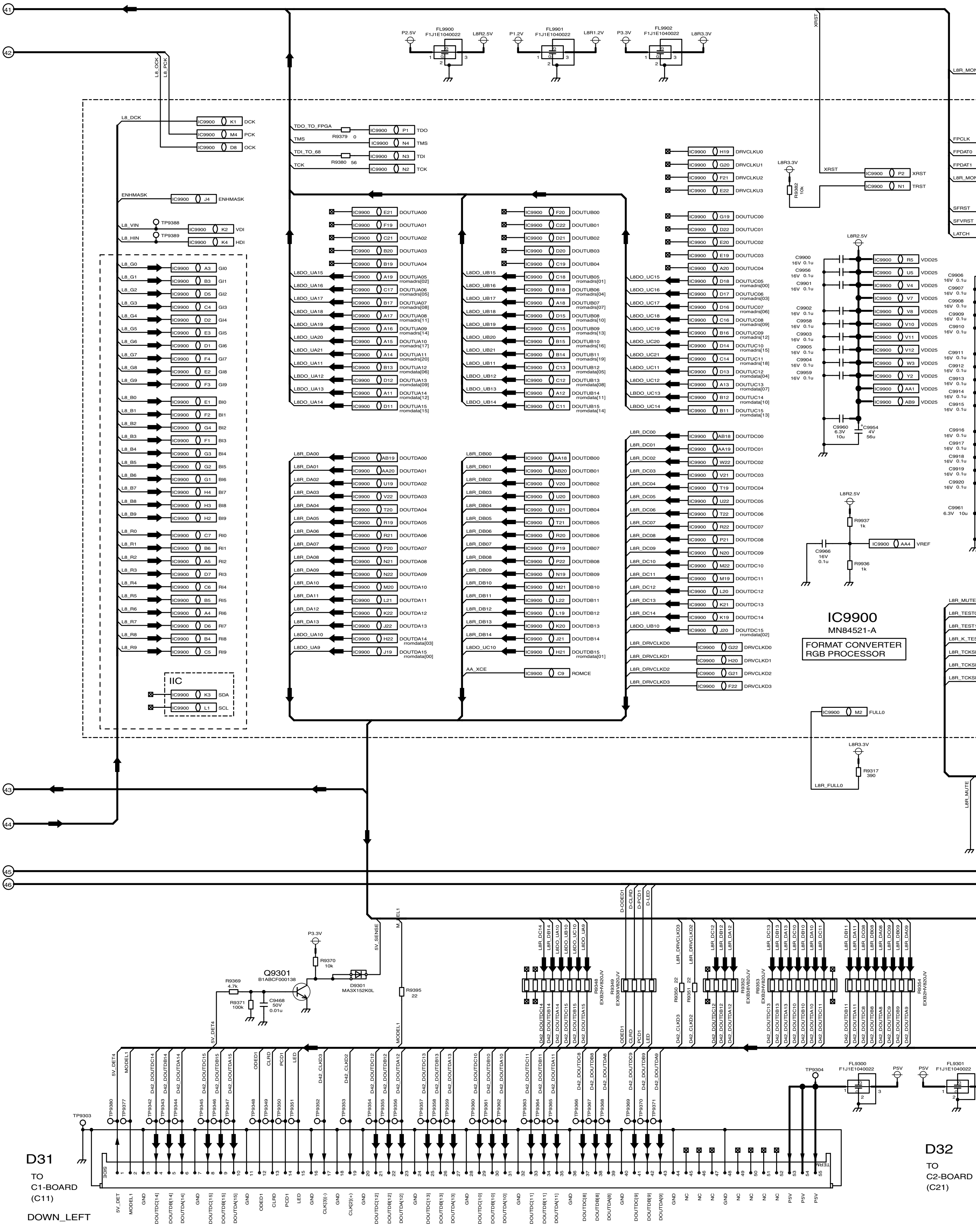
TH-37/42PV60E, TH-37/42PX60B
D-Board (4 of 6) Schematic Diagram


IC9504
C0JBAZ000856
LEVEL CONVERTER
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
P5V
C9515
16V
1u
D-PCD1
D-PCD2
D-LED
D-CLRD
IC9502
C0EBE0000066
RESET
P3.3V
Vout
Vcc
SUB
GND
NC
C9512
16V
0.1u
PD1M_ROM
P3.3V
C9469
16V
0.1u
IC9303
37inch:TVRN818
42inch:TVRN819
16M FLASH MEMORY
A16
BYTE#
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
VSS
CE#
A0
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC
WE#
RESET#
NC
NC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
L8DO_UB20
AA_BYTE
0V
L8DO_UA14
L8DO_UC12
LBDO_UB14
L8DO_UA11
LBDO_UC14
L8DO_UB11
LBDO_UA13
L8DO_UC11
LBDO_UB13
L8DO_UA10
LBDO_UC13
L8DO_UB10
LBDO_UA12
L8DO_UC10
LBDO_UB12
L8DO_UA9
AA_XOE
AA_XCE
L8DO_UC15
L8DO_UC20
L8DO_UA19
L8DO_UB19
L8DO_UC19
L8DO_UA18
L8DO_UB18
L8DO_UC18
L8DO_UA17
L8DO_UB21
L8DO_UA21
AA_XWE
R9356
4.7k
R9394
0
R9355
4.7k
L8DO_UC21
L8DO_UA20
L8DO_UB17
L8DO_UC17
L8DO_UA16
L8DO_UB16
L8DO_UC16
L8DO_UA15
L8DO_UB15
41
42
43
44
45
46

TH-37/42PV60E, TH-37/42PX60B
D-Board (4 of 6) Schematic Diagram

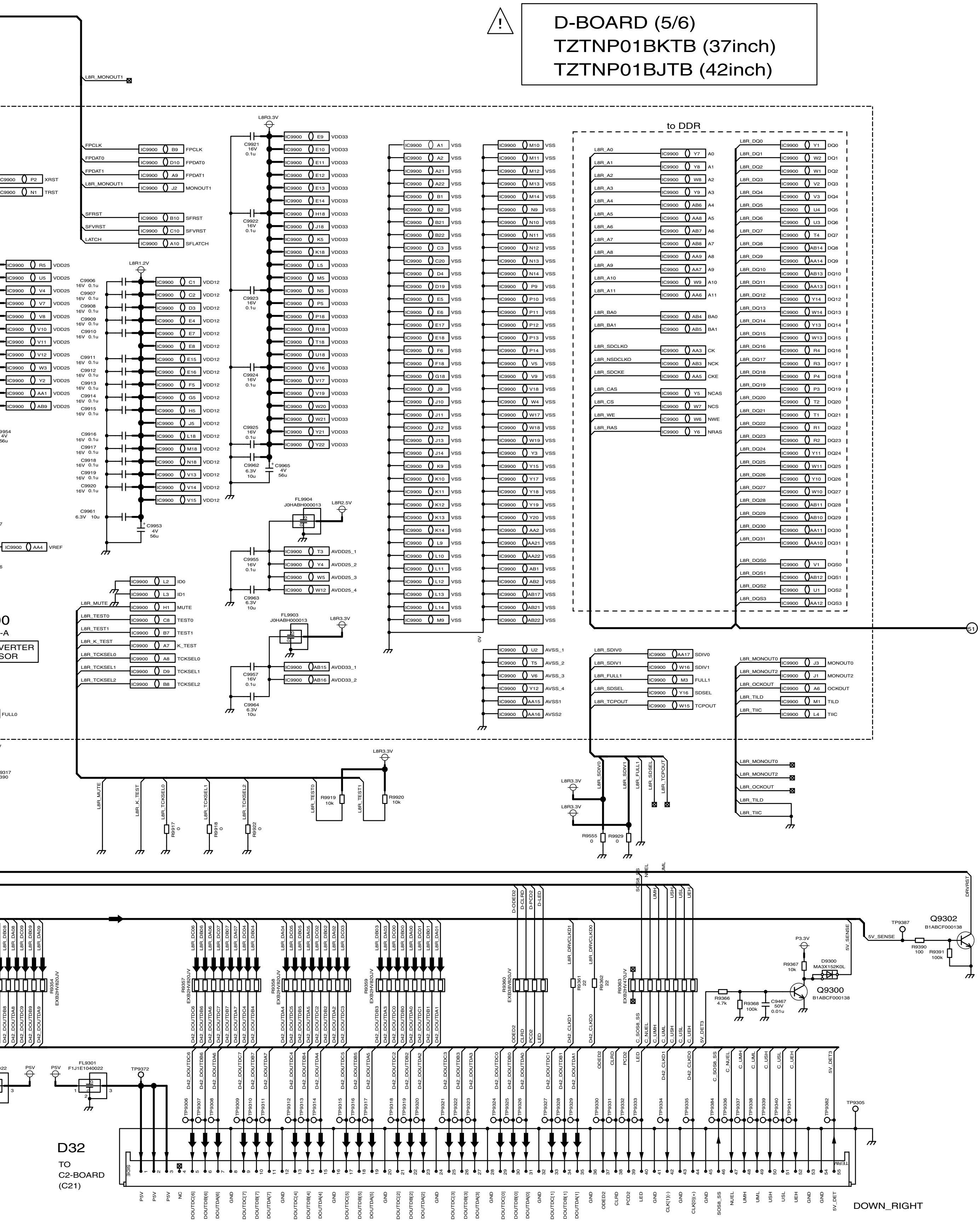
32 33 34 35 36

14.51. D-Board (5 of 6) Schematic Diagram


IC9900
MN84521-A
FORMAT CONVERTER
RGB PROCESSOR
IIC
FL9900
FL9901
FL9902
Q9301
B1ABCF000138
D9301
MA3X152K0L
D31
TO
C1-BOARD
(C11)
DOWN_LEFT
D32
TO
C2-BOARD
(C21)
FL9300
FL9301
41
42
43
44
45
46

TH-37/42PV60E, TH-37/42PX60B D-Board (5 of 6) Schematic Diagram

⚠ D-BOARD (5/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)

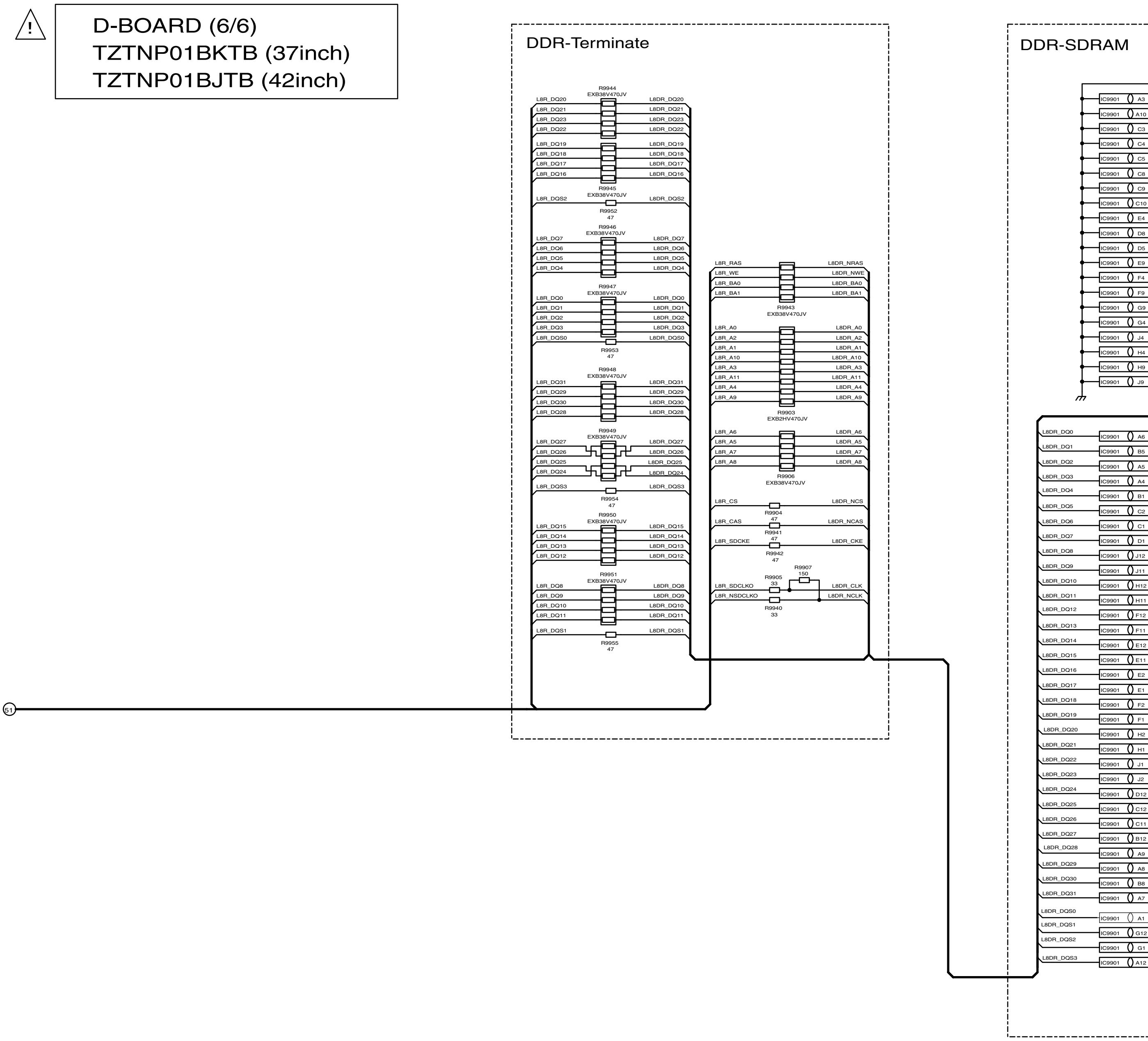

to DDR
L8R_MONOUT1
L8R3.3V
L8R1.2V
L8R2.5V
FL9904 J0HABH000013
FL9903 J0HABH000013
IC9900
VDD33
VDD12
VDD25
VSS
AVDD25_1
AVDD25_2
AVDD25_3
AVDD25_4
AVDD33_1
AVDD33_2
AVSS_1
AVSS_2
AVSS_3
AVSS_4
AVSS1
AVSS2
VREF
FPCLK
FPDAT0
FPDAT1
MONOUT1
SFRST
SFVRST
SFLATCH
XRST
TRST
ID0
ID1
MUTE
TEST0
TEST1
K_TEST
TCKSEL0
TCKSEL1
TCKSEL2
SDIV0
SDIV1
FULL1
SDSEL
TCPOUT
MONOUT0
MONOUT2
OCKOUT
TILD
TIIC
CK
NCK
CKE
NCAS
NCS
NWE
NRAS
BA0
BA1
DQS0
DQS1
DQS2
DQS3
R9919 10k
R9920 10k
R9917 0
R9918 0
R9922 0
R9555 0
R9929 0
Q9302 B1ABCF000138
Q9300 B1ABCF000138
D9300 MA3X152K0L
R9366 4.7k
R9367 10k
R9368 100k
C9467 50V 0.01u
R9390 100
R9391 100k
5V_SENSE
P3.3V
DRVRST
FL9301 F1J1E1040022
P5V
D32
TO C2-BOARD (C21)
DOWN_RIGHT

TH-37/42PV60E, TH-37/42PX60B D-Board (5 of 6) Schematic Diagram

41 42 43 44 45

14.52. D-Board (6 of 6) Schematic Diagram

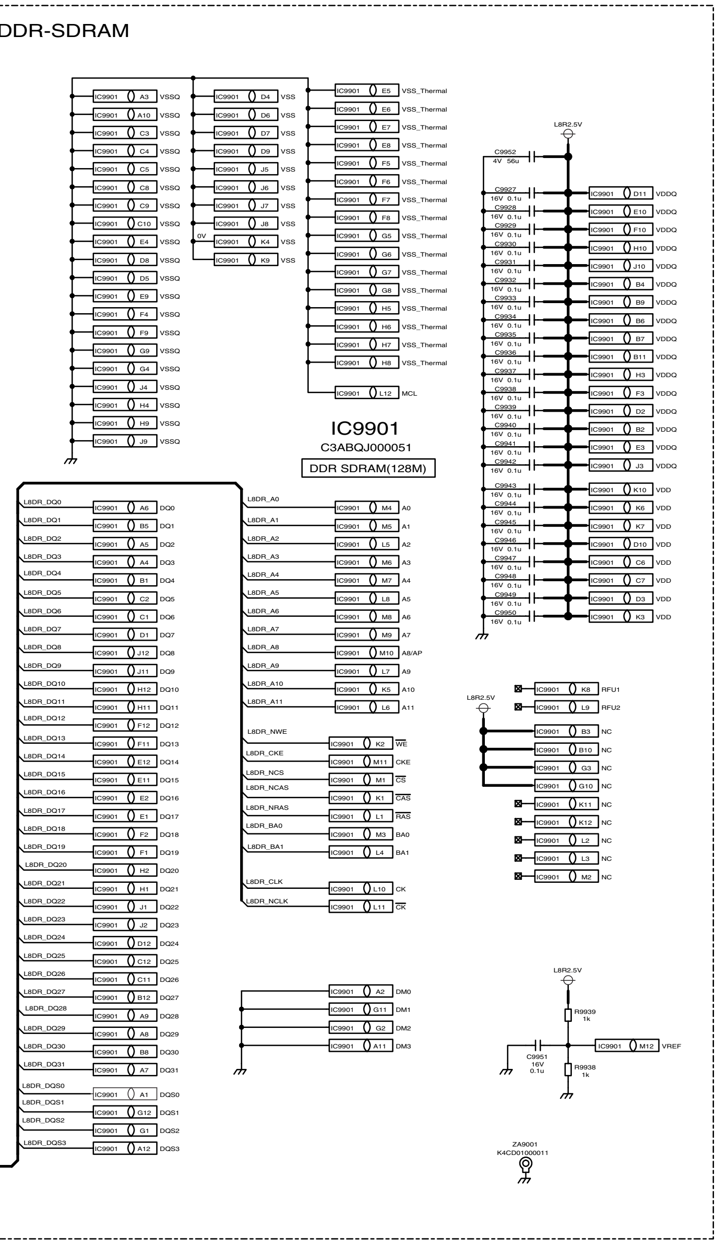
D-BOARD (6/6)
TZTNP01BKTB (37inch)
TZTNP01BJTB (42inch)



DDR-Terminate
DDR-SDRAM
R9944 EXB38V470JV
R9945 EXB38V470JV
R9952 47
R9946 EXB38V470JV
R9947 EXB38V470JV
R9953 47
R9948 EXB38V470JV
R9949 EXB38V470JV
R9954 47
R9950 EXB38V470JV
R9951 EXB38V470JV
R9955 47
R9943 EXB38V470JV
R9903 EXB2HV470JV
R9906 EXB38V470JV
R9904 47
R9941 47
R9942 47
R9907 150
R9905 33
R9940 33
L8R_RAS
L8R_WE
L8R_BA0
L8R_BA1
L8DR_NRAS
L8DR_NWE
L8DR_BA0
L8DR_BA1
L8R_CS
L8R_CAS
L8R_SDCKE
L8R_SDCLKO
L8R_NSDCLKO
L8DR_NCS
L8DR_NCAS
L8DR_CKE
L8DR_CLK
L8DR_NCLK
IC9901
51

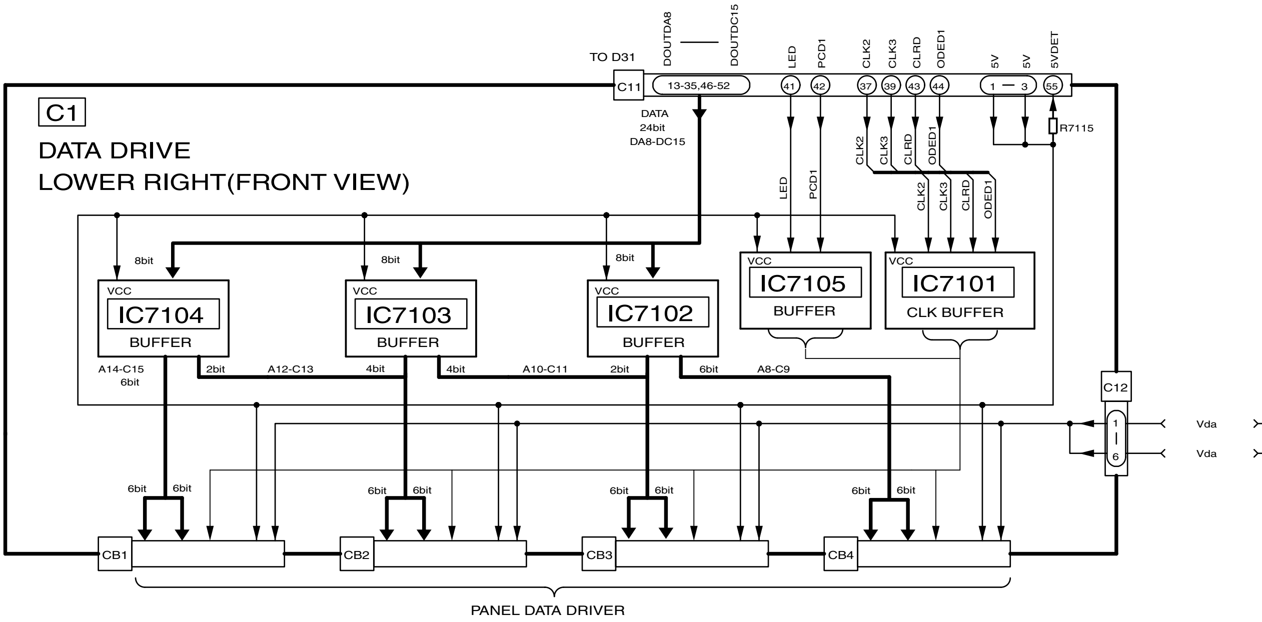
TH-37/42PV60E, TH-37/42PX60B
D-Board (6 of 6) Schematic Diagram

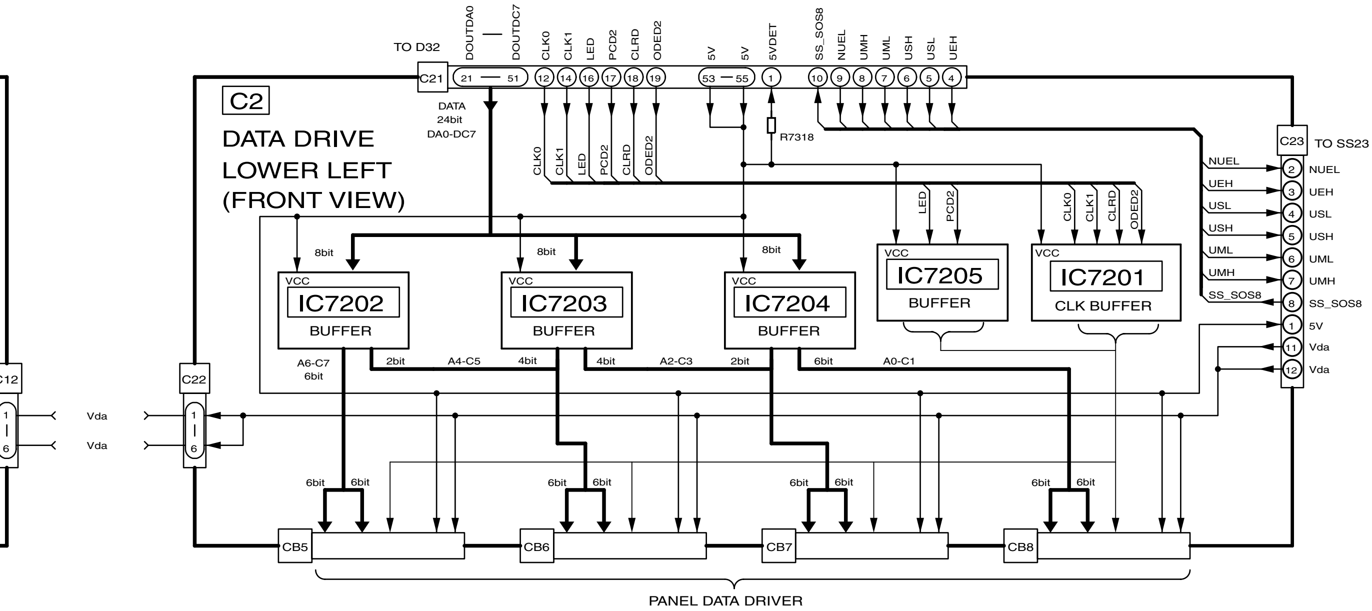
46 47 48 49 50


DDR-SDRAM
IC9901
C3ABQJ000051
DDR SDRAM(128M)
IC9901 A3 VSSQ
IC9901 A10 VSSQ
IC9901 C3 VSSQ
IC9901 C4 VSSQ
IC9901 C5 VSSQ
IC9901 C8 VSSQ
IC9901 C9 VSSQ
IC9901 C10 VSSQ
IC9901 E4 VSSQ
IC9901 D8 VSSQ
IC9901 D5 VSSQ
IC9901 E9 VSSQ
IC9901 F4 VSSQ
IC9901 F9 VSSQ
IC9901 G9 VSSQ
IC9901 G4 VSSQ
IC9901 J4 VSSQ
IC9901 H4 VSSQ
IC9901 H9 VSSQ
IC9901 J9 VSSQ
0V
IC9901 D4 VSS
IC9901 D6 VSS
IC9901 D7 VSS
IC9901 D9 VSS
IC9901 J5 VSS
IC9901 J6 VSS
IC9901 J7 VSS
IC9901 J8 VSS
IC9901 K4 VSS
IC9901 K9 VSS
IC9901 E5 VSS_Thermal
IC9901 E6 VSS_Thermal
IC9901 E7 VSS_Thermal
IC9901 E8 VSS_Thermal
IC9901 F5 VSS_Thermal
IC9901 F6 VSS_Thermal
IC9901 F7 VSS_Thermal
IC9901 F8 VSS_Thermal
IC9901 G5 VSS_Thermal
IC9901 G6 VSS_Thermal
IC9901 G7 VSS_Thermal
IC9901 G8 VSS_Thermal
IC9901 H5 VSS_Thermal
IC9901 H6 VSS_Thermal
IC9901 H7 VSS_Thermal
IC9901 H8 VSS_Thermal
IC9901 L12 MCL
L8R2.5V
C9952 4V 56u
C9927 16V 0.1u
C9928 16V 0.1u
C9929 16V 0.1u
C9930 16V 0.1u
C9931 16V 0.1u
C9932 16V 0.1u
C9933 16V 0.1u
C9934 16V 0.1u
C9935 16V 0.1u
C9936 16V 0.1u
C9937 16V 0.1u
C9938 16V 0.1u
C9939 16V 0.1u
C9940 16V 0.1u
C9941 16V 0.1u
C9942 16V 0.1u
C9943 16V 0.1u
C9944 16V 0.1u
C9945 16V 0.1u
C9946 16V 0.1u
C9947 16V 0.1u
C9948 16V 0.1u
C9949 16V 0.1u
C9950 16V 0.1u
IC9901 D11 VDDQ
IC9901 E10 VDDQ
IC9901 F10 VDDQ
IC9901 H10 VDDQ
IC9901 J10 VDDQ
IC9901 B4 VDDQ
IC9901 B9 VDDQ
IC9901 B6 VDDQ
IC9901 B7 VDDQ
IC9901 B11 VDDQ
IC9901 H3 VDDQ
IC9901 F3 VDDQ
IC9901 D2 VDDQ
IC9901 B2 VDDQ
IC9901 E3 VDDQ
IC9901 J3 VDDQ
IC9901 K10 VDD
IC9901 K6 VDD
IC9901 K7 VDD
IC9901 D10 VDD
IC9901 C6 VDD
IC9901 C7 VDD
IC9901 D3 VDD
IC9901 K3 VDD
L8DR_DQ0 IC9901 A6 DQ0
L8DR_DQ1 IC9901 B5 DQ1
L8DR_DQ2 IC9901 A5 DQ2
L8DR_DQ3 IC9901 A4 DQ3
L8DR_DQ4 IC9901 B1 DQ4
L8DR_DQ5 IC9901 C2 DQ5
L8DR_DQ6 IC9901 C1 DQ6
L8DR_DQ7 IC9901 D1 DQ7
L8DR_DQ8 IC9901 J12 DQ8
L8DR_DQ9 IC9901 J11 DQ9
L8DR_DQ10 IC9901 H12 DQ10
L8DR_DQ11 IC9901 H11 DQ11
L8DR_DQ12 IC9901 F12 DQ12
L8DR_DQ13 IC9901 F11 DQ13
L8DR_DQ14 IC9901 E12 DQ14
L8DR_DQ15 IC9901 E11 DQ15
L8DR_DQ16 IC9901 E2 DQ16
L8DR_DQ17 IC9901 E1 DQ17
L8DR_DQ18 IC9901 F2 DQ18
L8DR_DQ19 IC9901 F1 DQ19
L8DR_DQ20 IC9901 H2 DQ20
L8DR_DQ21 IC9901 H1 DQ21
L8DR_DQ22 IC9901 J1 DQ22
L8DR_DQ23 IC9901 J2 DQ23
L8DR_DQ24 IC9901 D12 DQ24
L8DR_DQ25 IC9901 C12 DQ25
L8DR_DQ26 IC9901 C11 DQ26
L8DR_DQ27 IC9901 B12 DQ27
L8DR_DQ28 IC9901 A9 DQ28
L8DR_DQ29 IC9901 A8 DQ29
L8DR_DQ30 IC9901 B8 DQ30
L8DR_DQ31 IC9901 A7 DQ31
L8DR_DQS0 IC9901 A1 DQS0
L8DR_DQS1 IC9901 G12 DQS1
L8DR_DQS2 IC9901 G1 DQS2
L8DR_DQS3 IC9901 A12 DQS3
L8DR_A0 IC9901 M4 A0
L8DR_A1 IC9901 M5 A1
L8DR_A2 IC9901 L5 A2
L8DR_A3 IC9901 M6 A3
L8DR_A4 IC9901 M7 A4
L8DR_A5 IC9901 L8 A5
L8DR_A6 IC9901 M8 A6
L8DR_A7 IC9901 M9 A7
L8DR_A8 IC9901 M10 A8/AP
L8DR_A9 IC9901 L7 A9
L8DR_A10 IC9901 K5 A10
L8DR_A11 IC9901 L6 A11
L8DR_NWE IC9901 K2 $\overline{WE}$
L8DR_CKE IC9901 M11 CKE
L8DR_NCS IC9901 M1 $\overline{CS}$
L8DR_NCAS IC9901 K1 $\overline{CAS}$
L8DR_NRAS IC9901 L1 $\overline{RAS}$
L8DR_BA0 IC9901 M3 BA0
L8DR_BA1 IC9901 L4 BA1
L8DR_CLK IC9901 L10 CK
L8DR_NCLK IC9901 L11 $\overline{CK}$
IC9901 A2 DM0
IC9901 G11 DM1
IC9901 G2 DM2
IC9901 A11 DM3
IC9901 K8 RFU1
IC9901 L9 RFU2
L8R2.5V
IC9901 B3 NC
IC9901 B10 NC
IC9901 G3 NC
IC9901 G10 NC
IC9901 K11 NC
IC9901 K12 NC
IC9901 L2 NC
IC9901 L3 NC
IC9901 M2 NC
L8R2.5V
R9939 1k
C9951 16V 0.1u
IC9901 M12 VREF
R9938 1k
ZA9001
K4CD01000011

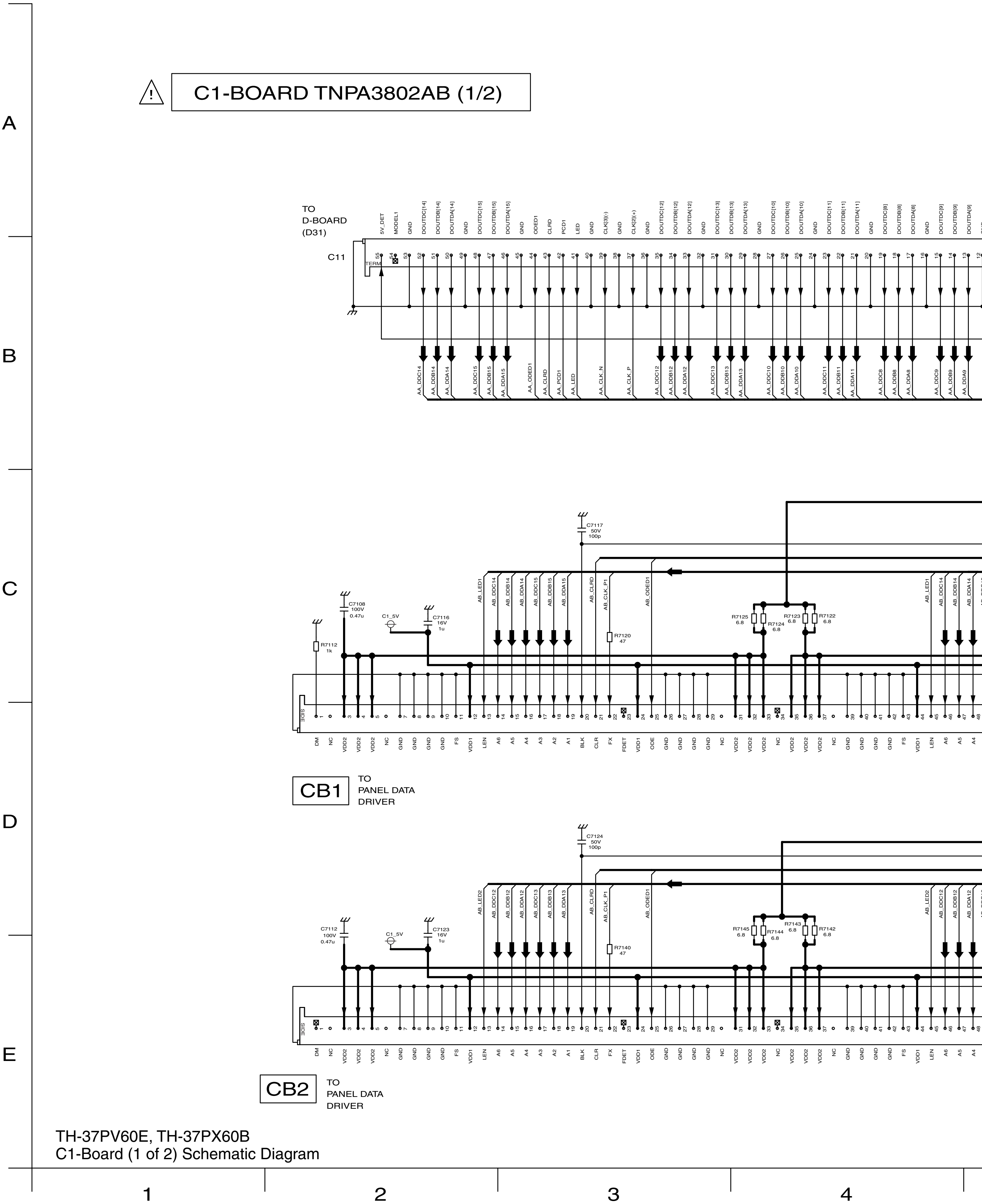
TH-37/42PV60E, TH-37/42PX60B
D-Board (6 of 6) Schematic Diagram

14.53. C1 and C2-Board Block Diagram

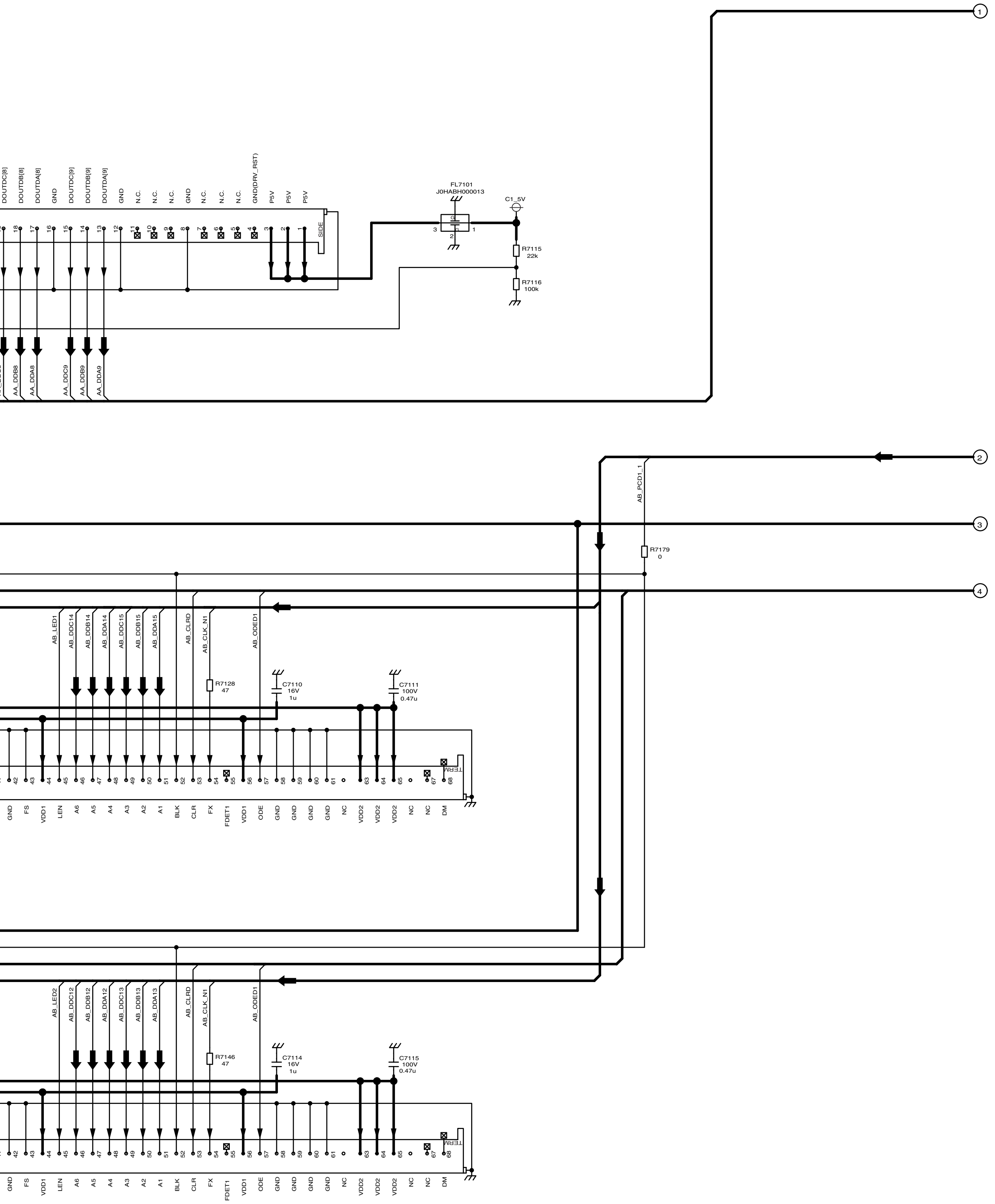

TO D31
DOUTDA8
DOUTDC15
LED
PCD1
CLK2
CLK3
CLRD
ODED1
5V
5V
5VDET
C11
13-35,46-52
41
42
37
39
43
44
1
3
55
C1
DATA DRIVE
LOWER RIGHT(FRONT VIEW)
DATA
24bit
DA8-DC15
R7115
LED
PCD1
CLK2
CLK3
CLRD
ODED1
CLK2
CLK3
CLRD
ODED1
8bit
8bit
8bit
VCC
IC7104
BUFFER
VCC
IC7103
BUFFER
VCC
IC7102
BUFFER
VCC
IC7105
BUFFER
VCC
IC7101
CLK BUFFER
A14-C15
6bit
2bit
A12-C13
4bit
4bit
A10-C11
2bit
6bit
A8-C9
C12
1
6
Vda
Vda
6bit
6bit
6bit
6bit
6bit
6bit
6bit
6bit
CB1
CB2
CB3
CB4
PANEL DATA DRIVER


TO D32
C21
DOUTDA0
DOUTDC7
CLK0
CLK1
LED
PCD2
CLRD
ODED2
5V
5V
5VDET
SS_SOS8
NUEL
UMH
UML
USH
USL
UEH
21
51
12
14
16
17
18
19
53
55
1
10
9
8
7
6
5
4
C2
DATA DRIVE
LOWER LEFT
(FRONT VIEW)
DATA
24bit
DA0-DC7
R7318
C23
TO SS23
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
2 NUEL
3 UEH
4 USL
5 USH
6 UML
7 UMH
8 SS_SOS8
1 5V
11 Vda
12 Vda
LED
PCD2
CLK0
CLK1
CLRD
ODED2
8bit
8bit
8bit
VCC
IC7202
BUFFER
VCC
IC7203
BUFFER
VCC
IC7204
BUFFER
VCC
IC7205
BUFFER
VCC
IC7201
CLK BUFFER
A6-C7
6bit
2bit
A4-C5
4bit
4bit
A2-C3
2bit
6bit
A0-C1
C12
C22
1
6
Vda
Vda
6bit
6bit
6bit
6bit
6bit
6bit
6bit
6bit
CB5
CB6
CB7
CB8
PANEL DATA DRIVER

14.54. C1-Board (1 of 2) Schematic Diagram (37inch)

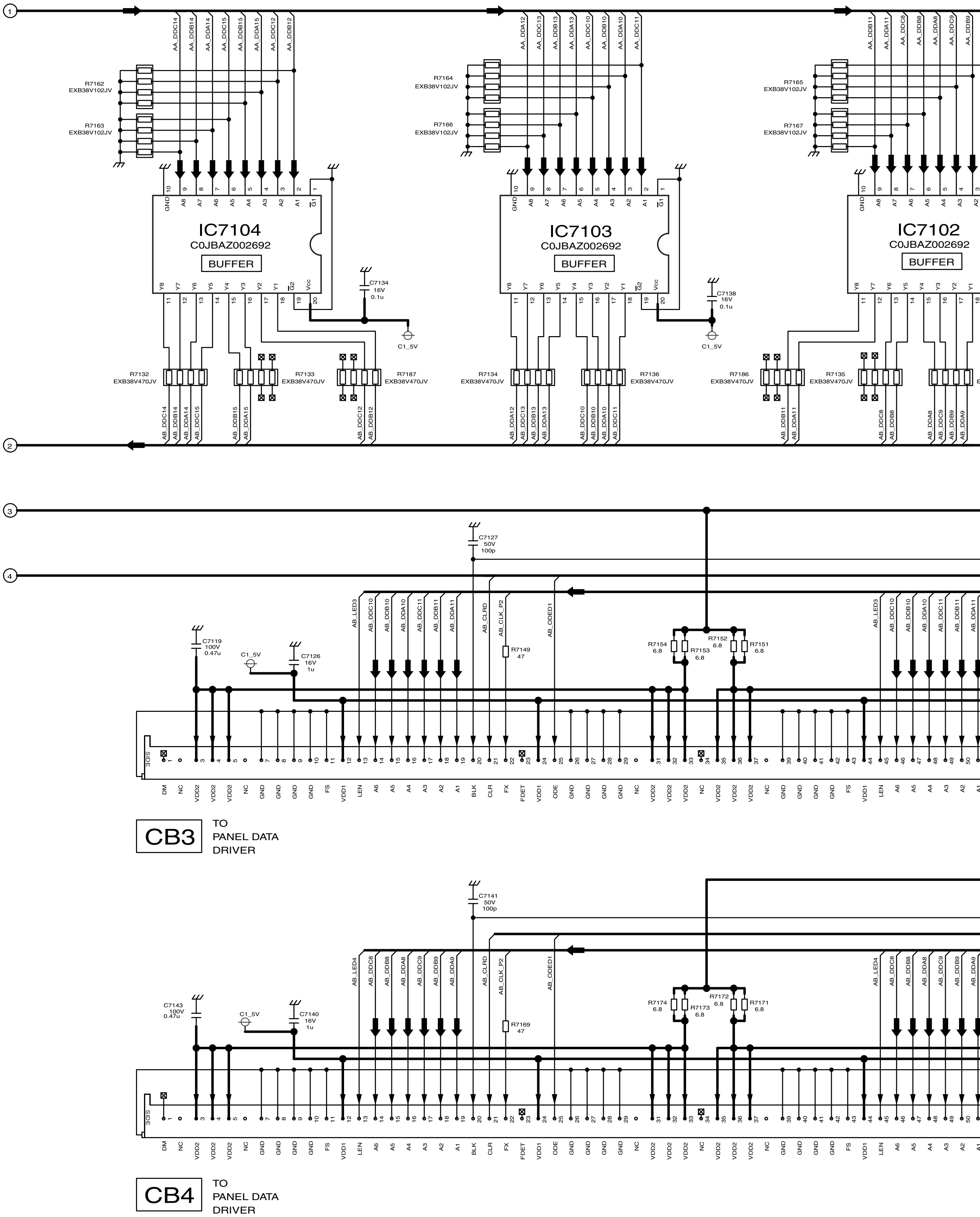

A
B
C
D
E
1
2
3
4
C1-BOARD TNPA3802AB (1/2)
TO
D-BOARD
(D31)
C11
TERM
5V_DET
MODEL1
GND
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED1
CLRD
PCD1
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
AA_DDC14
AA_DDB14
AA_DDA14
AA_DDC15
AA_DDB15
AA_DDA15
AA_ODED1
AA_CLRD
AA_PCD1
AA_LED
AA_CLK_N
AA_CLK_P
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
C7117
50V
100p
C7108
100V
0.47u
C1_5V
C7116
16V
1u
R7112
1k
AB_LED1
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AB_CLRD
AB_CLK_P1
AB_ODED1
R7120
47
R7125
6.8
R7124
6.8
R7123
6.8
R7122
6.8
SIDE
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
CB1
TO
PANEL DATA
DRIVER
C7124
50V
100p
C7112
100V
0.47u
C7123
16V
1u
AB_LED2
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
R7140
47
R7145
6.8
R7144
6.8
R7143
6.8
R7142
6.8
CB2
TO
PANEL DATA
DRIVER

TH-37PV60E, TH-37PX60B
C1-Board (1 of 2) Schematic Diagram

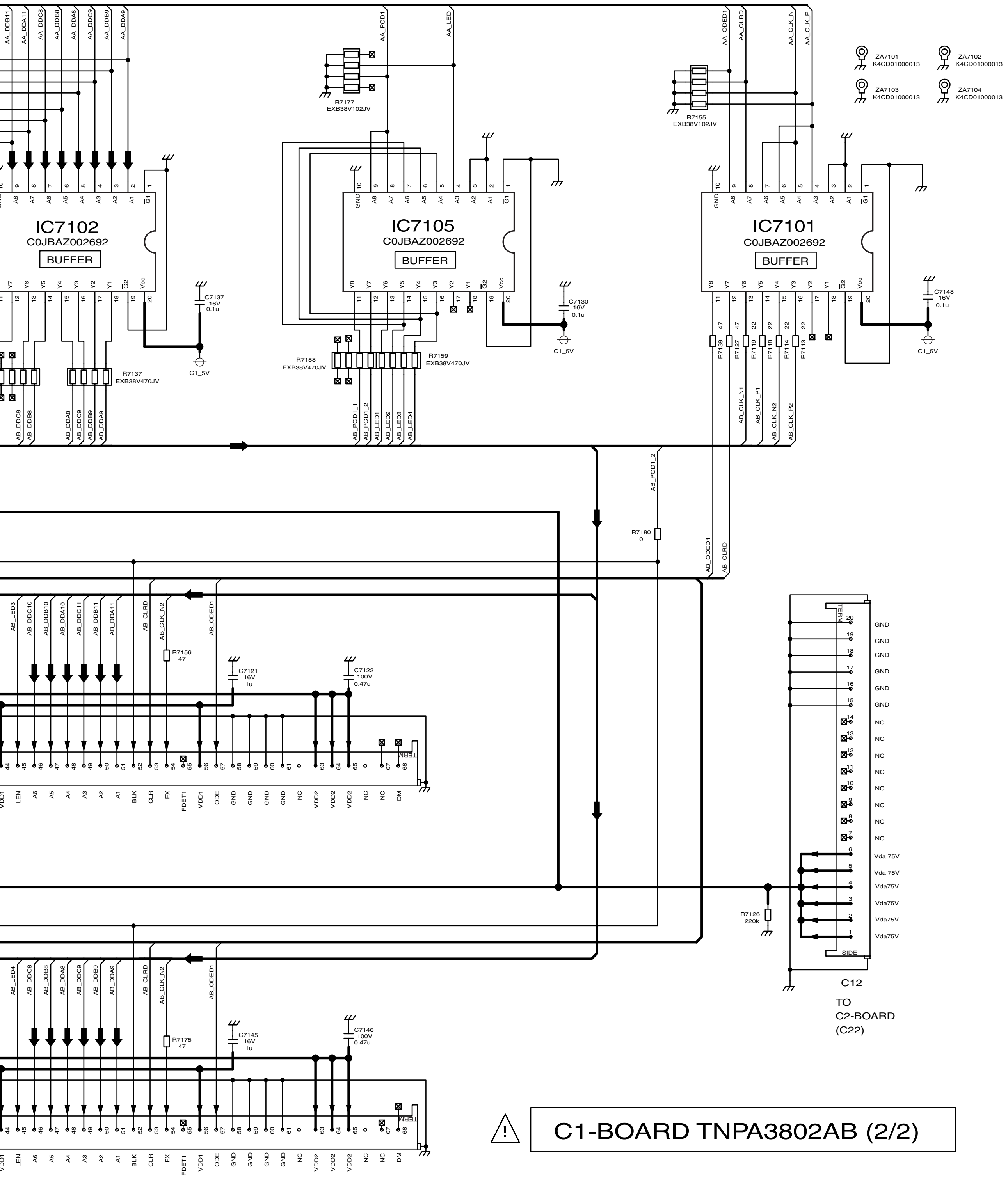

DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
GND
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
GND
N.C.
N.C.
N.C.
GND
N.C.
N.C.
N.C.
GND(DRV_RST)
P5V
P5V
P5V
SIDE
FL7101
J0HABH000013
C1_5V
R7115
22k
R7116
100k
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
①
②
③
④
AB_PCD1_1
R7179
0
AB_LED1
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AB_CLRD
AB_CLK_N1
AB_ODED1
R7128
47
C7110
16V
1u
C7111
100V
0.47u
TERM
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
NC
DM
AB_LED2
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
AB_CLRD
AB_CLK_N1
AB_ODED1
R7146
47
C7114
16V
1u
C7115
100V
0.47u

TH-37PV60E, TH-37PX60B
C1-Board (1 of 2) Schematic Diagram

14.55. C1-Board (2 of 2) Schematic Diagram (37inch)



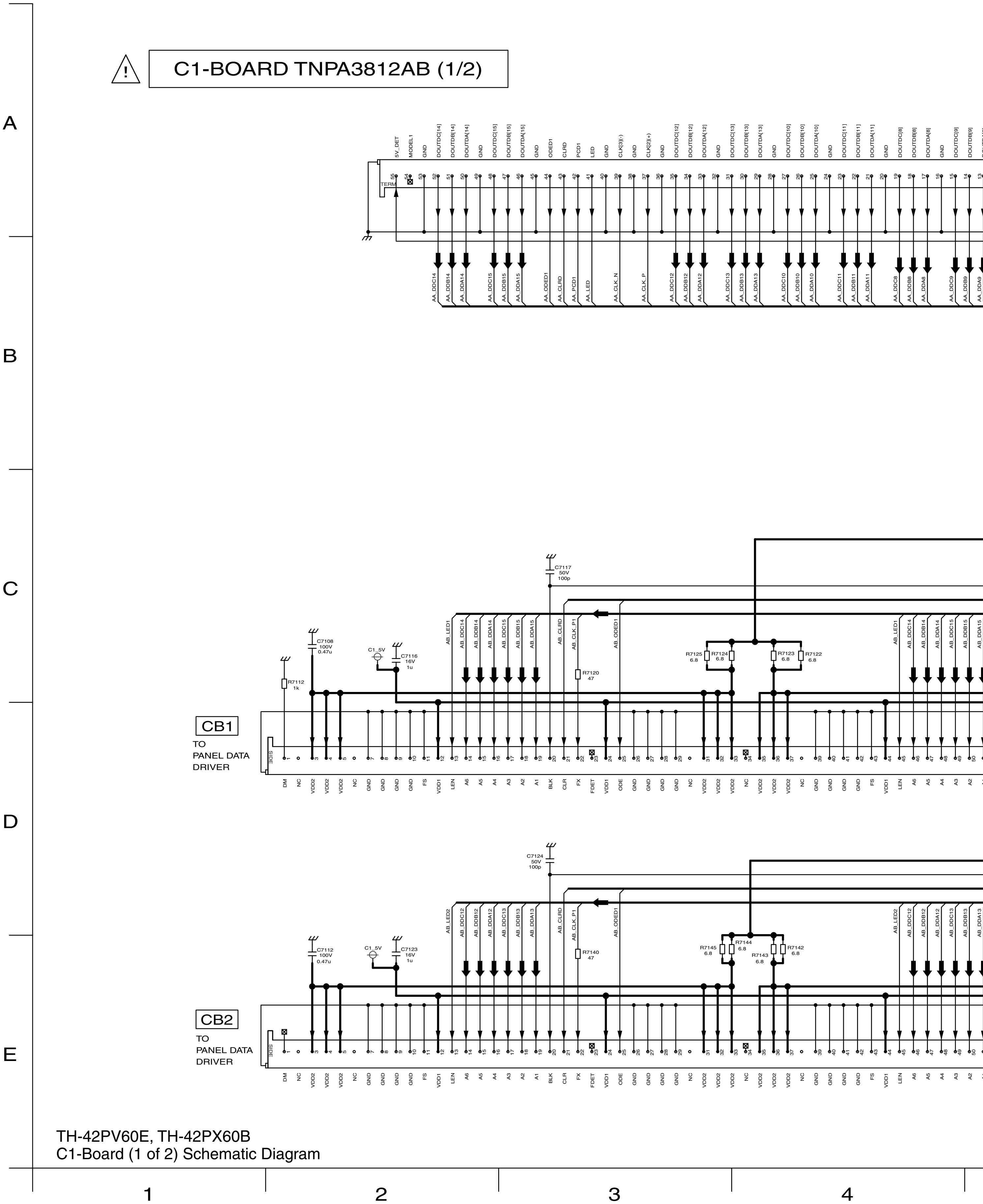
1
2
3
4
IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
IC7102
C0JBAZ002692
BUFFER
R7162 EXB38V102JV
R7163 EXB38V102JV
R7164 EXB38V102JV
R7166 EXB38V102JV
R7165 EXB38V102JV
R7167 EXB38V102JV
R7132 EXB38V470JV
R7133 EXB38V470JV
R7187 EXB38V470JV
R7134 EXB38V470JV
R7136 EXB38V470JV
R7186 EXB38V470JV
R7135 EXB38V470JV
C7134 16V 0.1u
C7138 16V 0.1u
C1_5V
C7127 50V 100p
C7119 100V 0.47u
C7126 16V 1u
R7149 47
R7154 6.8
R7153 6.8
R7152 6.8
R7151 6.8
C7141 50V 100p
C7143 100V 0.47u
C7140 16V 1u
R7169 47
R7174 6.8
R7173 6.8
R7172 6.8
R7171 6.8
AA_DDC14
AA_DDB14
AA_DDA14
AA_DDC15
AA_DDB15
AA_DDA15
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
AB_DDC10
AB_DDB10
AB_DDA10
AB_DDC11
AB_DDB11
AB_DDA11
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_LED3
AB_LED4
AB_CLRD
AB_CLK_P2
AB_ODED1
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
SIDE
DM
NC
VDD2
GND
FS
VDD1
LEN
BLK
CLR
FX
FDET
ODE
CB3
TO
PANEL DATA
DRIVER
CB4
TO
PANEL DATA
DRIVER


IC7102
C0JBAZ002692
BUFFER
IC7105
C0JBAZ002692
BUFFER
IC7101
C0JBAZ002692
BUFFER
R7177
EXB38V102JV
R7155
EXB38V102JV
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
ZA7104
K4CD01000013
C7137
16V
0.1u
C7130
16V
0.1u
C7148
16V
0.1u
C1_5V
R7137
EXB38V470JV
R7158
EXB38V470JV
R7159
EXB38V470JV
R7139
R7127
R7119
R7118
R7114
R7113
R7180
0
R7156
47
R7175
47
C7121
16V
1u
C7122
100V
0.47u
C7145
16V
1u
C7146
100V
0.47u
R7126
220k
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AA_PCD1
AA_LED
AA_ODED1
AA_CLRD
AA_CLK_N
AA_CLK_P
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_PCD1_1
AB_PCD1_2
AB_LED1
AB_LED2
AB_LED3
AB_LED4
AB_CLK_N1
AB_CLK_P1
AB_CLK_N2
AB_CLK_P2
AB_ODED1
AB_CLRD
AB_DDC10
AB_DDB10
AB_DDA10
AB_DDC11
AB_DDB11
AB_DDA11
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
NC
VDD2
DM
TERM
GND
NC
Vda 75V
Vda75V
SIDE
C12
TO
C2-BOARD
(C22)
C1-BOARD TNPA3802AB (2/2)

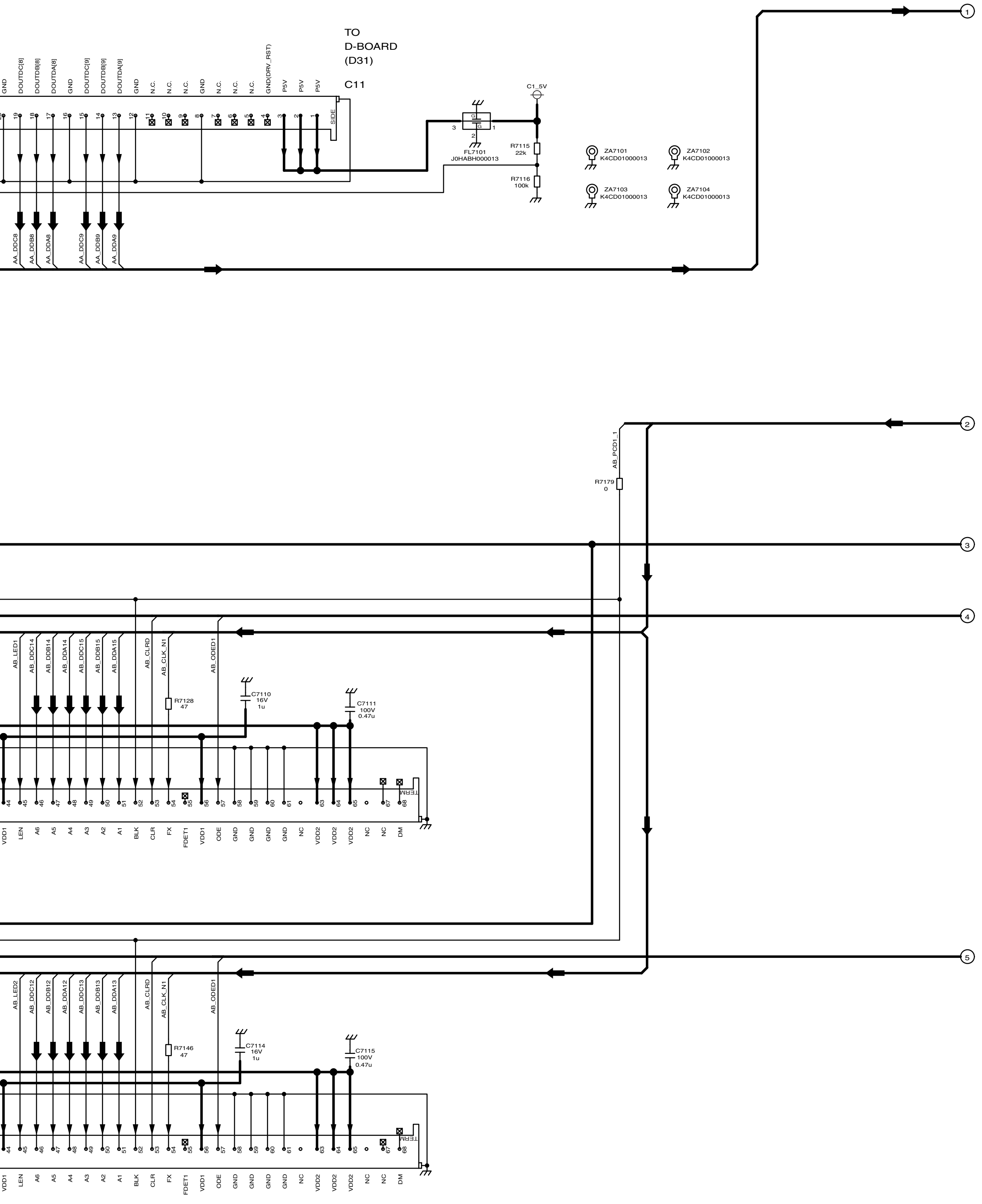
TH-37PV60E, TH-37PX60B
C1-Board (2 of 2) Schematic Diagram

12 13 14 15

14.56. C1-Board (1 of 2) Schematic Diagram (42inch)


A
B
C
D
E
1
2
3
4
C1-BOARD TNPA3812AB (1/2)
TERM
5V_DET
MODEL1
GND
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED1
CLRD
PCD1
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
AA_DDC14
AA_DDB14
AA_DDA14
AA_DDC15
AA_DDB15
AA_DDA15
AA_ODED1
AA_CLRD
AA_PCD1
AA_LED
AA_CLK_N
AA_CLK_P
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
C7117 50V 100p
C7108 100V 0.47u
C1_5V
C7116 16V 1u
R7112 1k
R7120 47
R7125 6.8
R7124 6.8
R7123 6.8
R7122 6.8
AB_LED1
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AB_CLRD
AB_CLK_P1
AB_ODED1
CB1
TO PANEL DATA DRIVER
SIDE
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
C7124 50V 100p
C7112 100V 0.47u
C7123 16V 1u
R7140 47
R7145 6.8
R7144 6.8
R7143 6.8
R7142 6.8
AB_LED2
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
CB2
TO PANEL DATA DRIVER

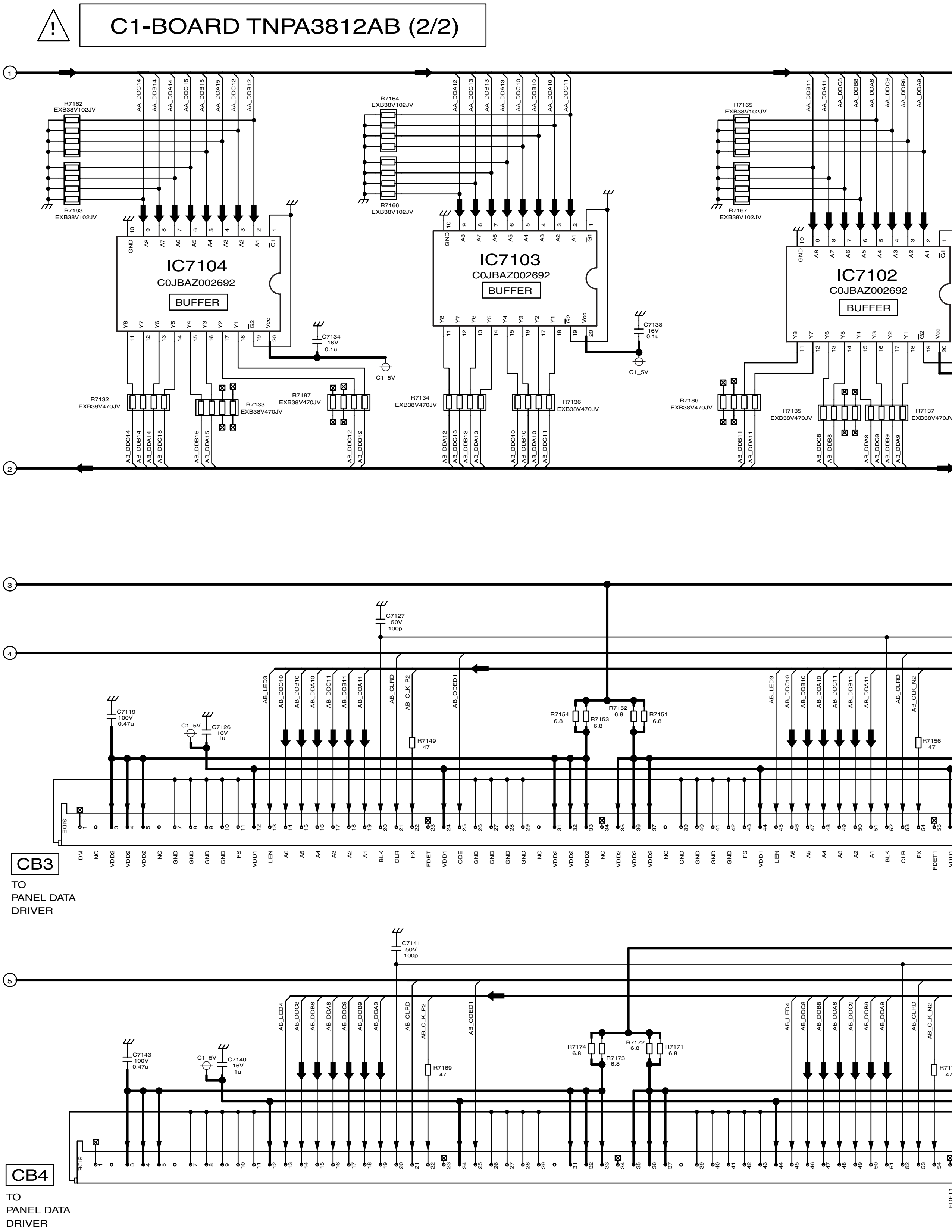
TH-42PV60E, TH-42PX60B
C1-Board (1 of 2) Schematic Diagram


TO
D-BOARD
(D31)
C11
GND
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
GND
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
GND
N.C.
N.C.
N.C.
GND
N.C.
N.C.
N.C.
GND(DRV_RST)
P5V
P5V
P5V
SIDE
C1_5V
FL7101
J0HABH000013
R7115
22k
R7116
100k
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
ZA7104
K4CD01000013
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AB_PCD1_1
R7179
0
AB_LED1
AB_DDC14
AB_DDB14
AB_DDA14
AB_DDC15
AB_DDB15
AB_DDA15
AB_CLRD
AB_CLK_N1
AB_ODED1
R7128
47
C7110
16V
1u
C7111
100V
0.47u
TERM
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
NC
DM
AB_LED2
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
AB_CLRD
AB_CLK_N1
AB_ODED1
R7146
47
C7114
16V
1u
C7115
100V
0.47u
TERM
①
②
③
④
⑤

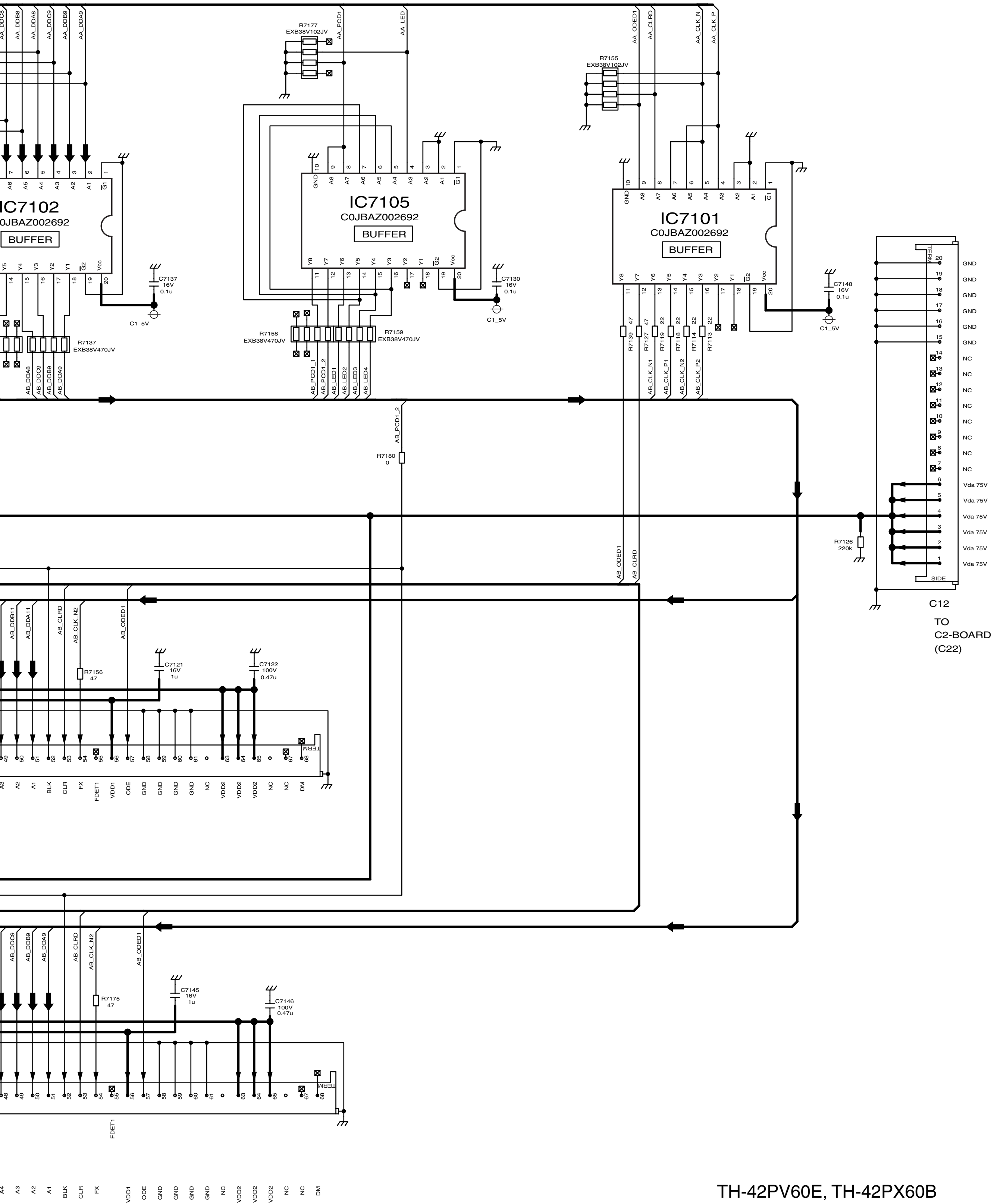
TH-42PV60E, TH-42PX60B
C1-Board (1 of 2) Schematic Diagram

5 6 7 8

14.57. C1-Board (2 of 2) Schematic Diagram (42inch)



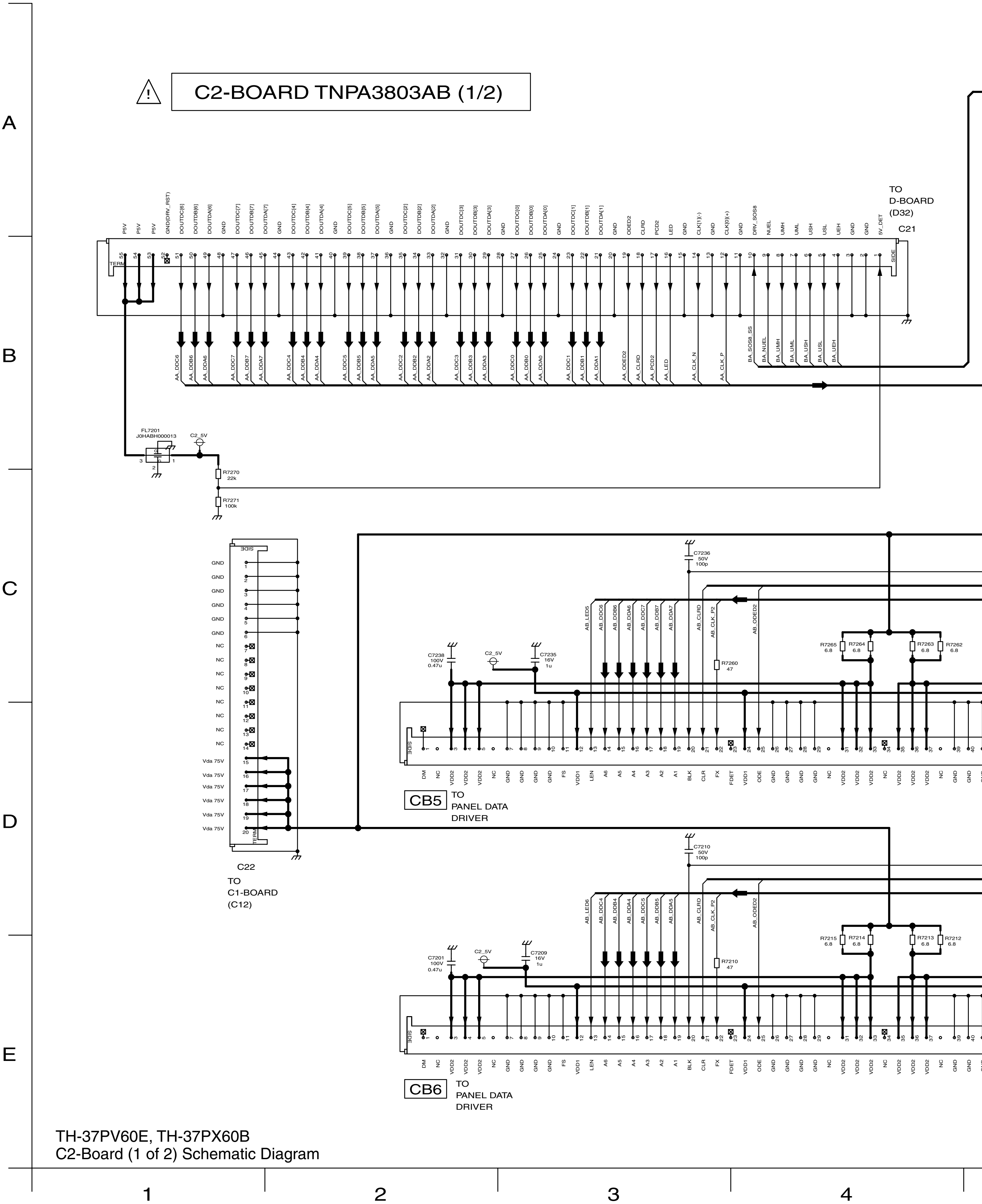
C1-BOARD TNPA3812AB (2/2)
IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
IC7102
C0JBAZ002692
BUFFER
R7162 EXB38V102JV
R7163 EXB38V102JV
R7164 EXB38V102JV
R7166 EXB38V102JV
R7165 EXB38V102JV
R7167 EXB38V102JV
R7132 EXB38V470JV
R7133 EXB38V470JV
R7187 EXB38V470JV
R7134 EXB38V470JV
R7136 EXB38V470JV
R7186 EXB38V470JV
R7135 EXB38V470JV
R7137 EXB38V470JV
C7134 16V 0.1u
C7138 16V 0.1u
C1_5V
C7127 50V 100p
C7119 100V 0.47u
C7126 16V 1u
R7149 47
R7154 6.8
R7153 6.8
R7152 6.8
R7151 6.8
R7156 47
C7141 50V 100p
C7143 100V 0.47u
C7140 16V 1u
R7169 47
R7174 6.8
R7173 6.8
R7172 6.8
R7171 6.8
CB3
TO PANEL DATA DRIVER
CB4
TO PANEL DATA DRIVER
AA_DDC14 AA_DDB14 AA_DDA14 AA_DDC15 AA_DDB15 AA_DDA15 AA_DDC12 AA_DDB12
AA_DDA12 AA_DDC13 AA_DDB13 AA_DDA13 AA_DDC10 AA_DDB10 AA_DDA10 AA_DDC11
AA_DDB11 AA_DDA11 AA_DDC8 AA_DDB8 AA_DDA8 AA_DDC9 AA_DDB9 AA_DDA9
AB_DDC14 AB_DDB14 AB_DDA14 AB_DDC15 AB_DDB15 AB_DDA15 AB_DDC12 AB_DDB12
AB_DDA12 AB_DDC13 AB_DDB13 AB_DDA13 AB_DDC10 AB_DDB10 AB_DDA10 AB_DDC11
AB_DDB11 AB_DDA11 AB_DDC8 AB_DDB8 AB_DDA8 AB_DDC9 AB_DDB9 AB_DDA9
AB_LED3 AB_DDC10 AB_DDB10 AB_DDA10 AB_DDC11 AB_DDB11 AB_DDA11 AB_CLRD AB_CLK_P2 AB_ODED1 AB_CLK_N2
AB_LED4 AB_DDC8 AB_DDB8 AB_DDA8 AB_DDC9 AB_DDB9 AB_DDA9 AB_CLRD AB_CLK_P2 AB_ODED1 AB_CLK_N2
GND A8 A7 A6 A5 A4 A3 A2 A1 G1
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1 G2 Vcc
SIDE
DM NC VDD2 VDD2 VDD2 NC GND GND GND FS VDD1 LEN A6 A5 A4 A3 A2 A1 BLK CLR FX FDET VDD1 ODE GND GND GND NC VDD2 VDD2 VDD2 NC VDD2 VDD2 VDD2 NC GND GND GND GND FS VDD1 LEN A6 A5 A4 A3 A2 A1 BLK CLR FX FDET1 VDD1
1
2
3
4
5


IC7102
C0JBAZ002692
BUFFER
IC7105
C0JBAZ002692
BUFFER
IC7101
C0JBAZ002692
BUFFER
R7177
EXB38V102JV
R7155
EXB38V102JV
R7137
EXB38V470JV
R7158
EXB38V470JV
R7159
EXB38V470JV
C7137
16V
0.1u
C7130
16V
0.1u
C7148
16V
0.1u
C1_5V
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AA_PCD1
AA_LED
AA_ODED1
AA_CLRD
AA_CLK_N
AA_CLK_P
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_PCD1_1
AB_PCD1_2
AB_LED1
AB_LED2
AB_LED3
AB_LED4
AB_CLK_N1
AB_CLK_P1
AB_CLK_N2
AB_CLK_P2
R7139
R7127
R7119
R7118
R7114
R7113
R7180
0
R7126
220k
AB_ODED1
AB_CLRD
C12
TO
C2-BOARD
(C22)
GND
NC
Vda 75V
TERM
SIDE
AB_DDB11
AB_DDA11
R7156
47
C7121
16V
1u
C7122
100V
0.47u
R7175
47
C7145
16V
1u
C7146
100V
0.47u
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
NC
VDD2
DM
A4

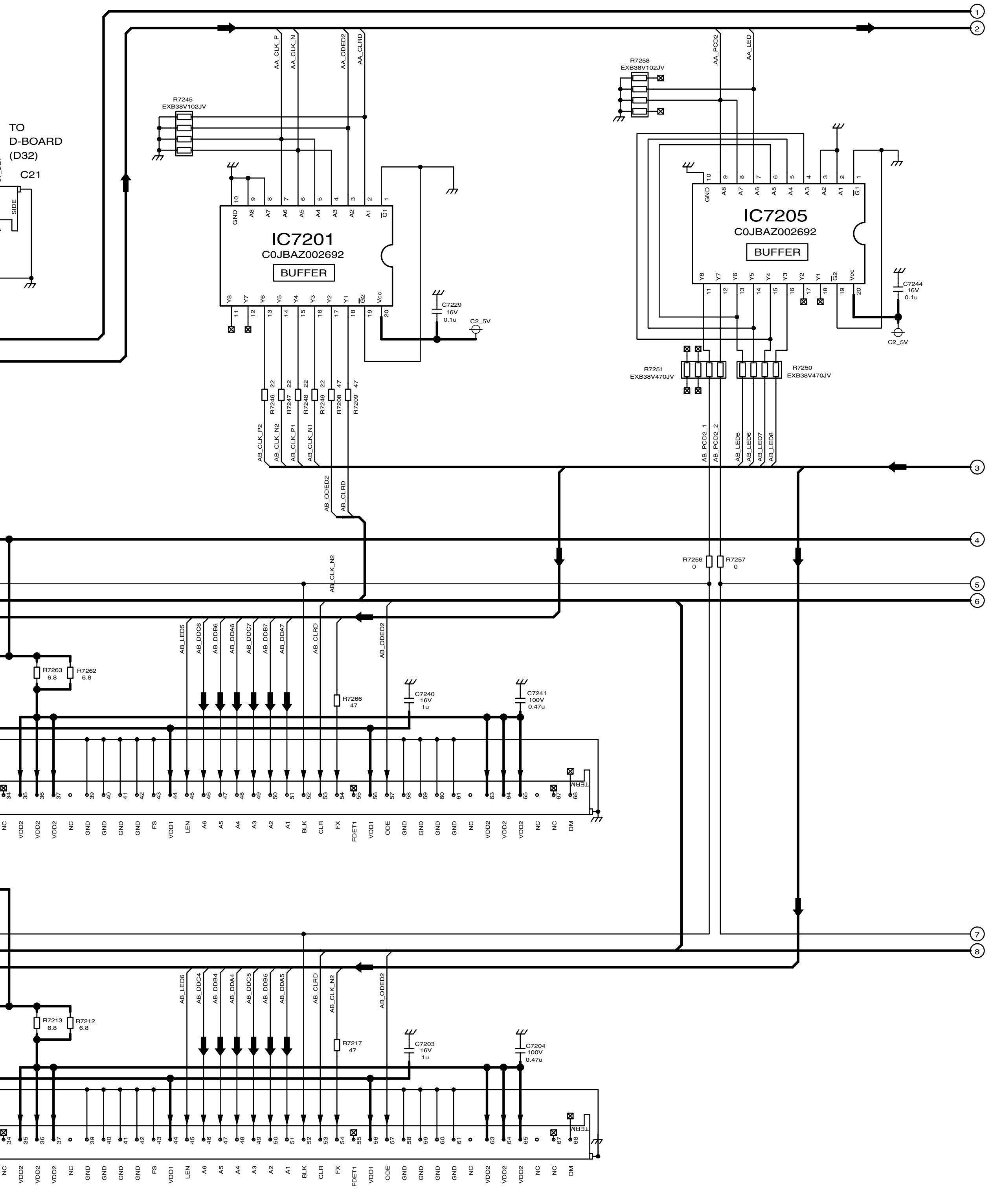
TH-42PV60E, TH-42PX60B
C1-Board (2 of 2) Schematic Diagram

12 13 14 15

14.58. C2-Board (1 of 2) Schematic Diagram (37inch)


A
B
C
D
E
1
2
3
4
C2-BOARD TNPA3803AB (1/2)
TO
D-BOARD
(D32)
C21
TERM
SIDE
P5V
P5V
P5V
GND(DRV_RST)
DOUTDC[6]
DOUTDB[6]
DOUTDA[6]
GND
DOUTDC[7]
DOUTDB[7]
DOUTDA[7]
GND
DOUTDC[4]
DOUTDB[4]
DOUTDA[4]
GND
DOUTDC[5]
DOUTDB[5]
DOUTDA[5]
GND
DOUTDC[2]
DOUTDB[2]
DOUTDA[2]
GND
DOUTDC[3]
DOUTDB[3]
DOUTDA[3]
GND
DOUTDC[0]
DOUTDB[0]
DOUTDA[0]
GND
DOUTDC[1]
DOUTDB[1]
DOUTDA[1]
GND
ODED2
CLRD
PCD2
LED
GND
CLK[1](-)
GND
CLK[0](+)
GND
DRV_SOS8
NUEL
UMH
UML
USH
USL
UEH
GND
GND
5V_DET
AA_DDC6
AA_DDB6
AA_DDA6
AA_DDC7
AA_DDB7
AA_DDA7
AA_DDC4
AA_DDB4
AA_DDA4
AA_DDC5
AA_DDB5
AA_DDA5
AA_DDC2
AA_DDB2
AA_DDA2
AA_DDC3
AA_DDB3
AA_DDA3
AA_DDC0
AA_DDB0
AA_DDA0
AA_DDC1
AA_DDB1
AA_DDA1
AA_ODED2
AA_CLRD
AA_PCD2
AA_LED
AA_CLK_N
AA_CLK_P
BA_SOS8_SS
BA_NUEL
BA_UMH
BA_UML
BA_USH
BA_USL
BA_UEH
FL7201
J0HABH000013
C2_5V
R7270
22k
R7271
100k
GND
NC
Vda 75V
C22
TO
C1-BOARD
(C12)
C7236
50V
100p
C7238
100V
0.47u
C2_5V
C7235
16V
1u
AB_LED6
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_CLRD
AB_CLK_P2
AB_ODED2
R7260
47
R7265
6.8
R7264
6.8
R7263
6.8
R7262
6.8
DM
NC
VDD2
NC
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
CB5
TO
PANEL DATA
DRIVER
C7210
50V
100p
C7201
100V
0.47u
C7209
16V
1u
AB_LED6
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
AB_CLRD
AB_CLK_P2
AB_ODED2
R7210
47
R7215
6.8
R7214
6.8
R7213
6.8
R7212
6.8
CB6
TO
PANEL DATA
DRIVER

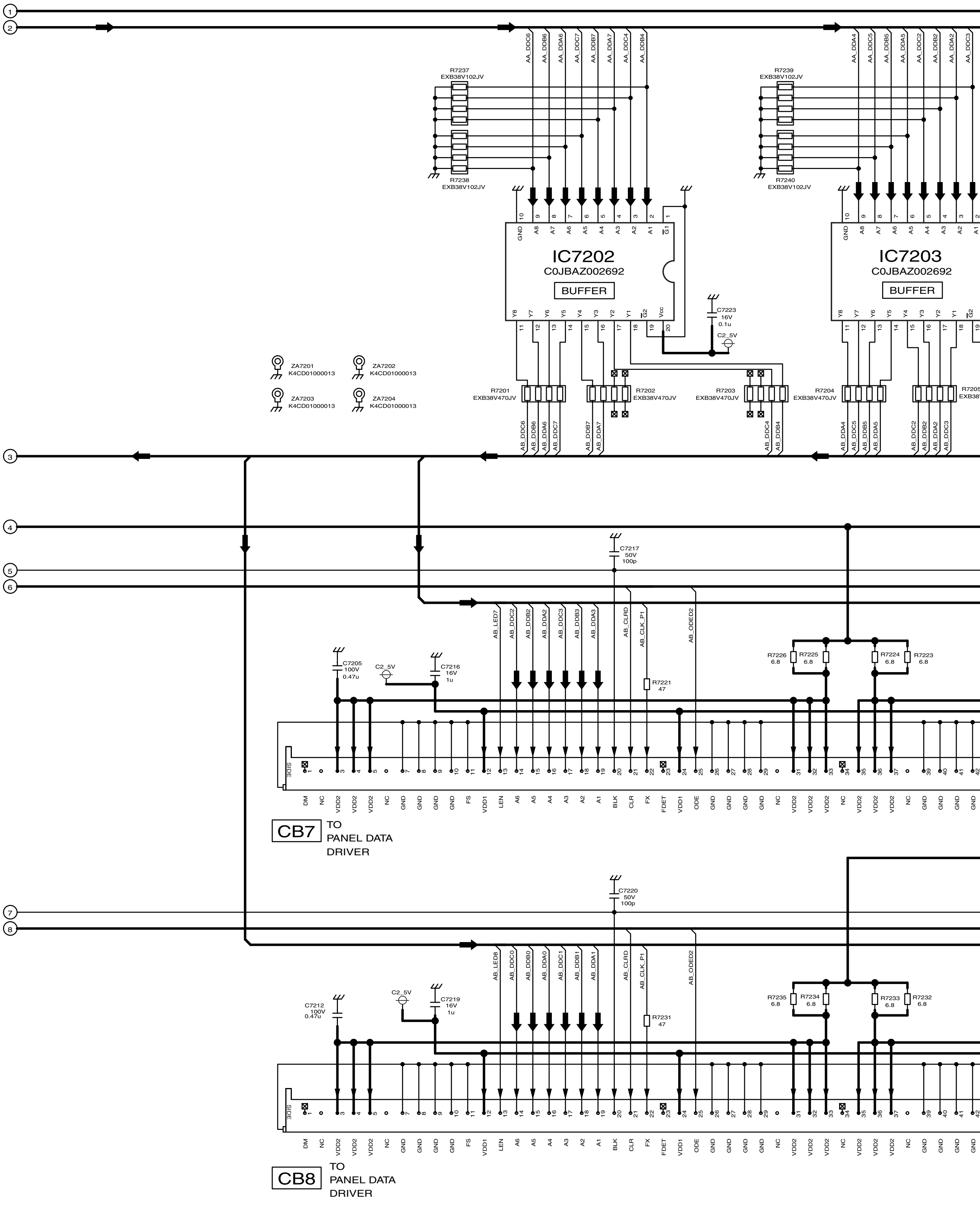
TH-37PV60E, TH-37PX60B
C2-Board (1 of 2) Schematic Diagram


TO
D-BOARD
(D32)
C21
SIDE
R7245
EXB38V102JV
AA_CLK_P
AA_CLK_N
AA_ODED2
AA_CLRD
IC7201
C0JBAZ002692
BUFFER
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
C7229
16V
0.1u
C2_5V
R7246 22
R7247 22
R7248 22
R7249 22
R7208 47
R7209 47
AB_CLK_P2
AB_CLK_N2
AB_CLK_P1
AB_CLK_N1
AB_ODED2
AB_CLRD
R7258
EXB38V102JV
AA_PCD2
AA_LED
IC7205
C0JBAZ002692
BUFFER
C7244
16V
0.1u
C2_5V
R7251
EXB38V470JV
R7250
EXB38V470JV
AB_PCD2_1
AB_PCD2_2
AB_LED5
AB_LED6
AB_LED7
AB_LED8
R7256
0
R7257
0
AB_CLK_N2
AB_LED5
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_CLRD
AB_ODED2
R7263
6.8
R7262
6.8
R7266
47
C7240
16V
1u
C7241
100V
0.47u
TERM
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
NC
DM
AB_LED6
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
AB_CLRD
AB_CLK_N2
AB_ODED2
R7213
6.8
R7212
6.8
R7217
47
C7203
16V
1u
C7204
100V
0.47u
TERM
①
②
③
④
⑤
⑥
⑦
⑧

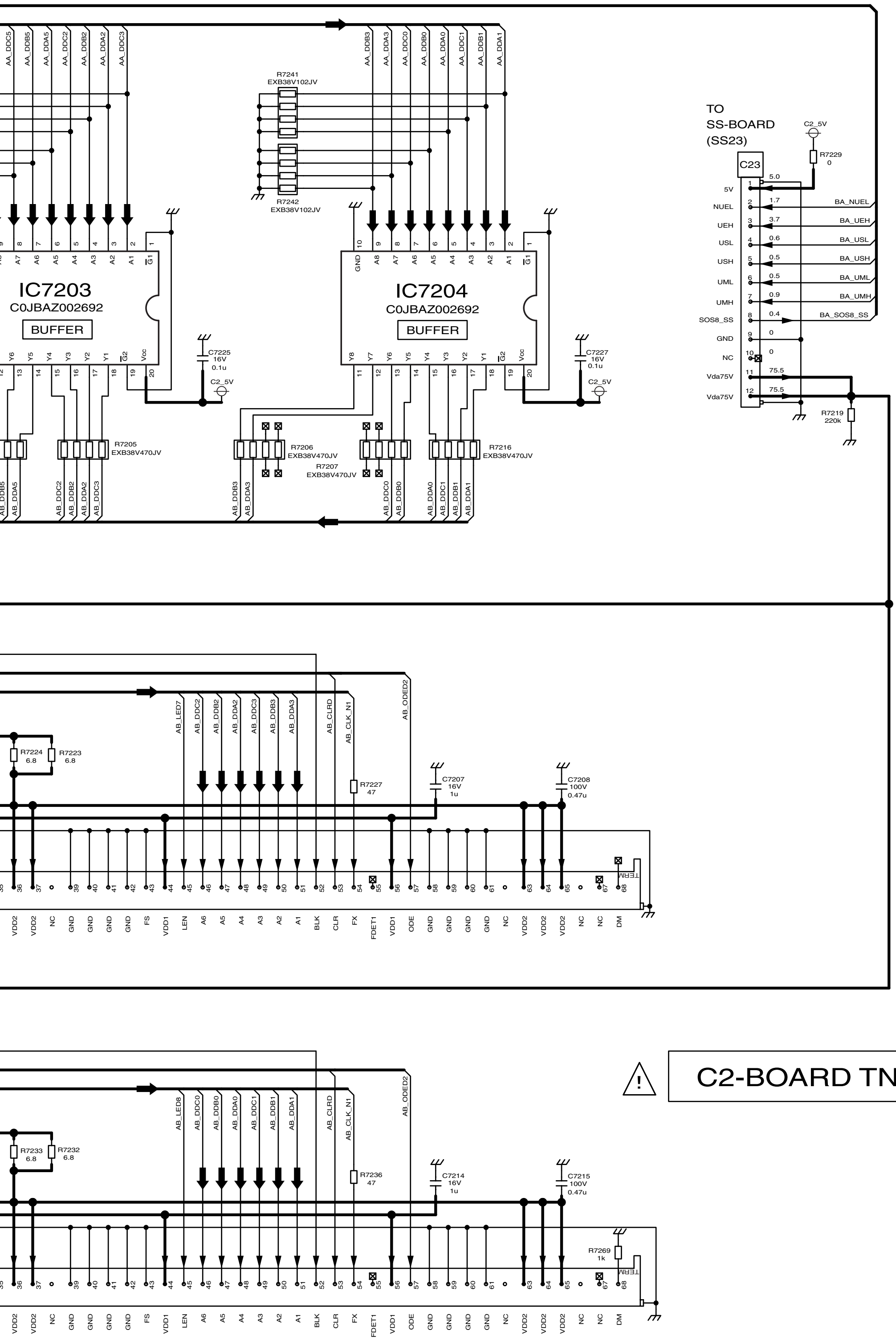
TH-37PV60E, TH-37PX60B
C2-Board (1 of 2) Schematic Diagram

5 6 7 8

14.59. C2-Board (2 of 2) Schematic Diagram (37inch)


1
2
3
4
5
6
7
8
R7237
EXB38V102JV
R7238
EXB38V102JV
R7239
EXB38V102JV
R7240
EXB38V102JV
AA_DDC6
AA_DDB6
AA_DDA6
AA_DDC7
AA_DDB7
AA_DDA7
AA_DDC4
AA_DDB4
AA_DDA4
AA_DDC5
AA_DDB5
AA_DDA5
AA_DDC2
AA_DDB2
AA_DDA2
AA_DDC3
IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
C7223
16V
0.1u
C2_5V
ZA7201
K4CD01000013
ZA7202
K4CD01000013
ZA7203
K4CD01000013
ZA7204
K4CD01000013
R7201
EXB38V470JV
R7202
EXB38V470JV
R7203
EXB38V470JV
R7204
EXB38V470JV
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
AB_DDC2
AB_DDB2
AB_DDA2
AB_DDC3
C7217
50V
100p
AB_LED7
AB_DDC2
AB_DDB2
AB_DDA2
AB_DDC3
AB_DDB3
AB_DDA3
AB_CLRD
AB_CLK_P1
AB_ODED2
C7205
100V
0.47u
C7216
16V
1u
R7221
47
R7226
6.8
R7225
6.8
R7224
6.8
R7223
6.8
SIDE
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
CB7
TO
PANEL DATA
DRIVER
C7220
50V
100p
AB_LED8
AB_DDC0
AB_DDB0
AB_DDA0
AB_DDC1
AB_DDB1
AB_DDA1
C7212
100V
0.47u
C7219
16V
1u
R7231
47
R7235
6.8
R7234
6.8
R7233
6.8
R7232
6.8
CB8
TO
PANEL DATA
DRIVER
8
9
10
11

TH-37PV60E, TH-37PX60B
C2-Board (2 of 2) Schematic Diagram

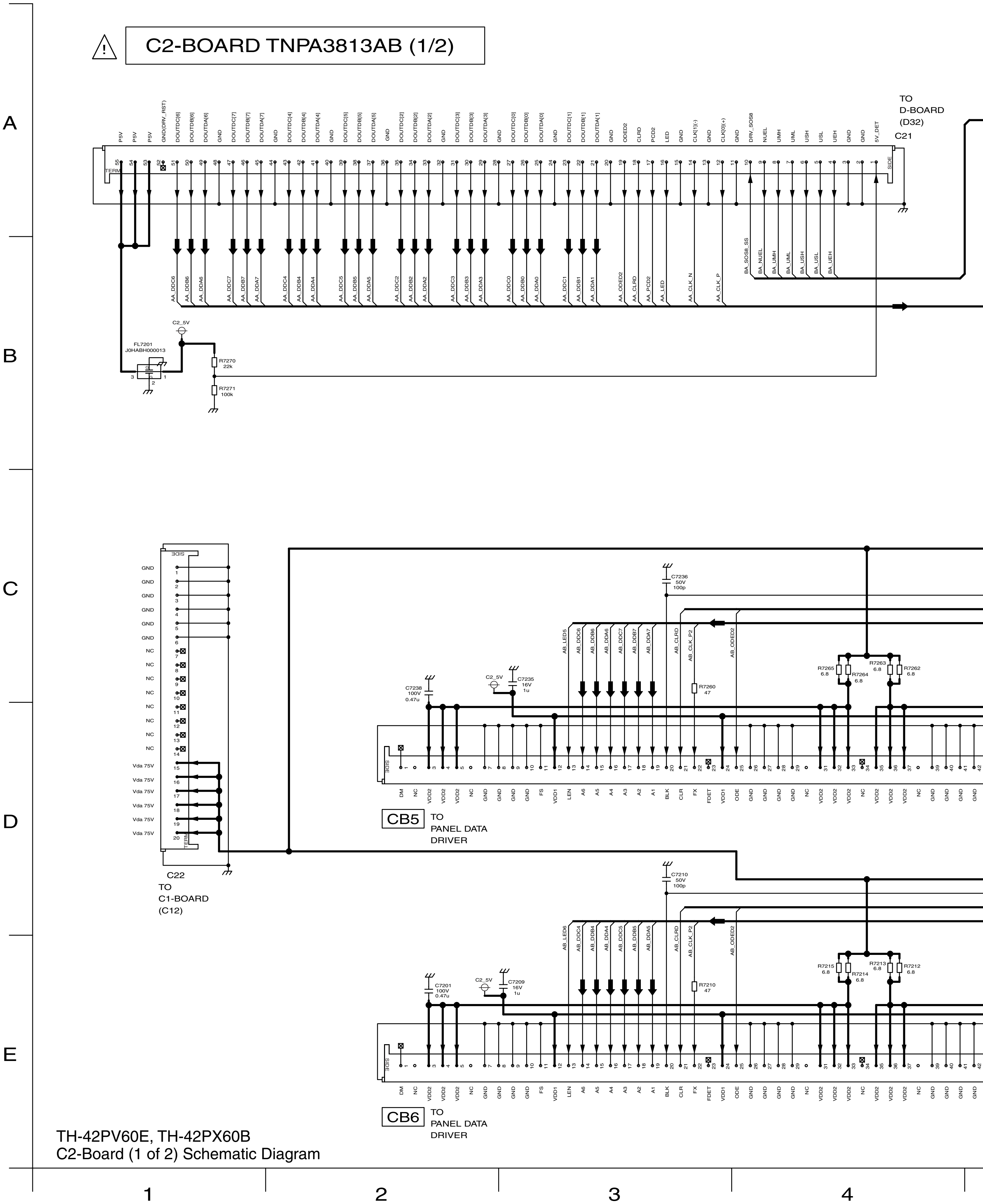

R7241
EXB38V102JV
R7242
EXB38V102JV
AA_DDC5
AA_DDB5
AA_DDA5
AA_DDC2
AA_DDB2
AA_DDA2
AA_DDC3
AA_DDB3
AA_DDA3
AA_DDC0
AA_DDB0
AA_DDA0
AA_DDC1
AA_DDB1
AA_DDA1
IC7203
C0JBAZ002692
BUFFER
IC7204
C0JBAZ002692
BUFFER
C7225
16V
0.1u
C7227
16V
0.1u
C2_5V
R7205
EXB38V470JV
R7206
EXB38V470JV
R7207
EXB38V470JV
R7216
EXB38V470JV
AB_DDB5
AB_DDA5
AB_DDC2
AB_DDB2
AB_DDA2
AB_DDC3
AB_DDB3
AB_DDA3
AB_DDC0
AB_DDB0
AB_DDA0
AB_DDC1
AB_DDB1
AB_DDA1
TO
SS-BOARD
(SS23)
C23
R7229
0
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
GND
NC
Vda75V
Vda75V
5.0
1.7
3.7
0.6
0.5
0.5
0.9
0.4
0
0
75.5
75.5
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_SOS8_SS
R7219
220k
AB_LED7
AB_DDC2
AB_DDB2
AB_DDA2
AB_DDC3
AB_DDB3
AB_DDA3
AB_CLRD
AB_CLK_N1
AB_ODED2
R7224
6.8
R7223
6.8
R7227
47
C7207
16V
1u
C7208
100V
0.47u
TERM
VDD2
VDD2
NC
GND
GND
GND
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
NC
DM
AB_LED8
AB_DDC0
AB_DDB0
AB_DDA0
AB_DDC1
AB_DDB1
AB_DDA1
AB_CLRD
AB_CLK_N1
AB_ODED2
R7233
6.8
R7232
6.8
R7236
47
C7214
16V
1u
C7215
100V
0.47u
R7269
1k
TERM

⚠ C2-BOARD TNPA3803AB (2/2)

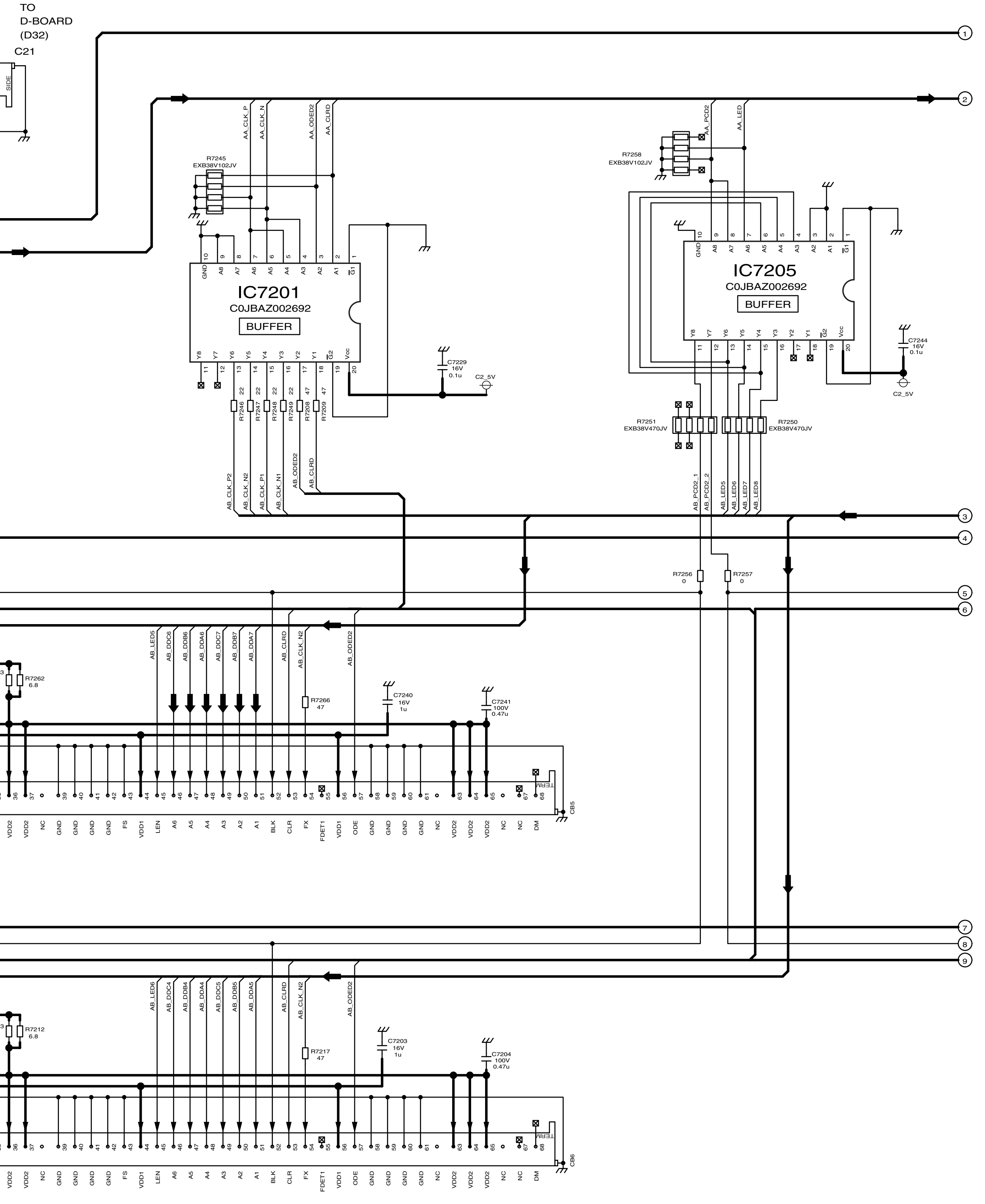
TH-37PV60E, TH-37PX60B
C2-Board (2 of 2) Schematic Diagram

12 13 14 15

14.60. C2-Board (1 of 2) Schematic Diagram (42inch)


C2-BOARD TNPA3813AB (1/2)
TO D-BOARD (D32)
C21
TERM
SIDE
P5V
GND(DRV_RST)
DOUTDC[6]
DOUTDB[6]
DOUTDA[6]
GND
DRV_SOS8
NUEL
UMH
UML
USH
USL
UEH
5V_DET
ODED2
CLRD
PCD2
LED
CLK[1](-)
CLK[0](+)
BA_SOS8_SS
BA_NUEL
BA_UMH
BA_UML
BA_USH
BA_USL
BA_UEH
AA_DDC6
AA_DDB6
AA_DDA6
AA_ODED2
AA_CLRD
AA_PCD2
AA_LED
AA_CLK_N
AA_CLK_P
C2_5V
FL7201
J0HABH000013
R7270
22k
R7271
100k
C22
TO C1-BOARD (C12)
Vda 75V
NC
GND
C7236
50V
100p
C7238
100V
0.47u
C7235
16V
1u
R7260
47
R7265
6.8
R7264
6.8
R7263
6.8
R7262
6.8
AB_LED5
AB_CLRD
AB_CLK_P2
AB_ODED2
CB5
TO PANEL DATA DRIVER
C7210
50V
100p
C7201
100V
0.47u
C7209
16V
1u
R7210
47
R7215
6.8
R7214
6.8
R7213
6.8
R7212
6.8
AB_LED6
CB6
TO PANEL DATA DRIVER
DM
VDD2
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
A
B
C
D
E
1
2
3
4

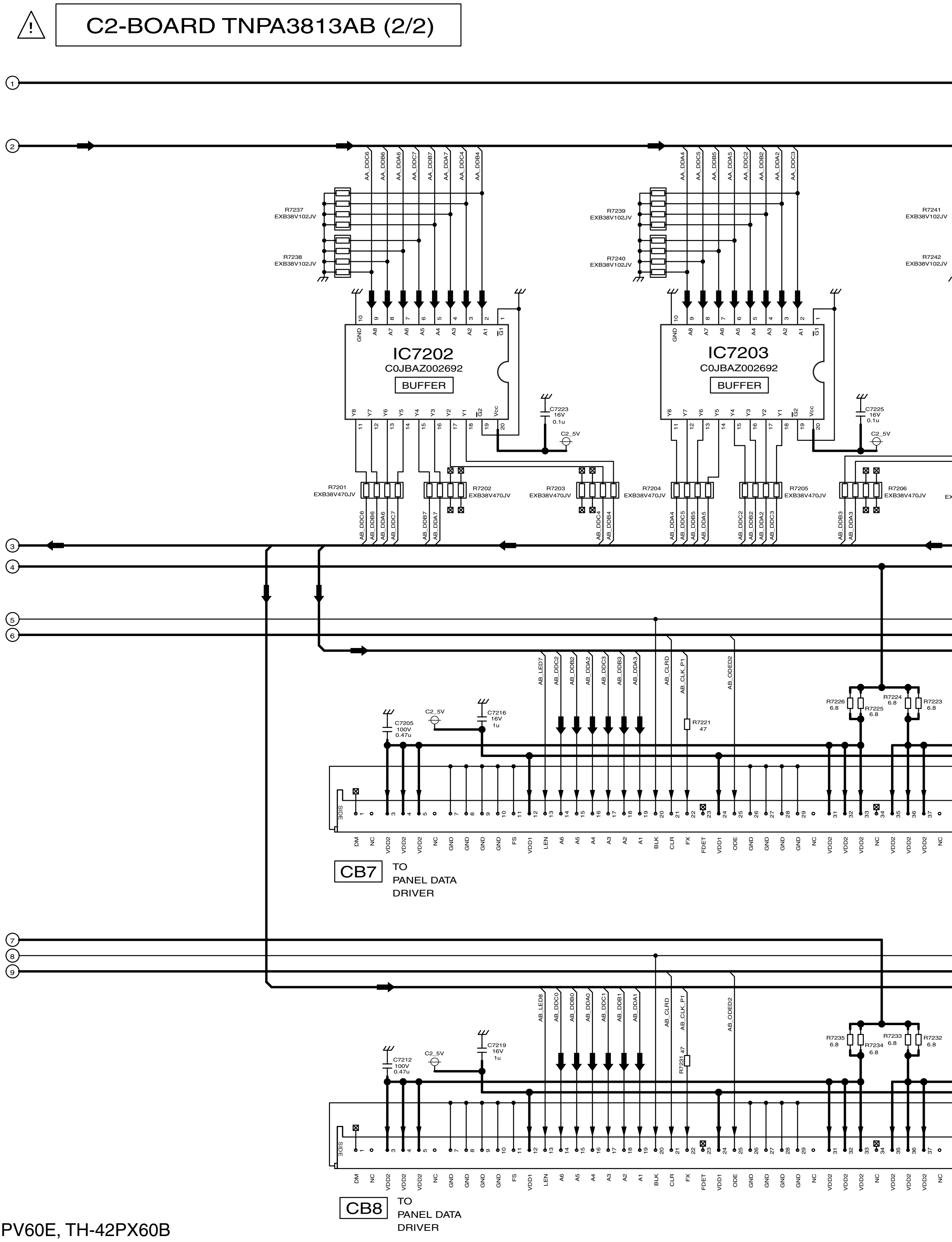
TH-42PV60E, TH-42PX60B
C2-Board (1 of 2) Schematic Diagram


TO
D-BOARD
(D32)
C21
SIDE
R7245
EXB38V102JV
AA_CLK_P
AA_CLK_N
AA_ODED2
AA_CLRD
IC7201
C0JBAZ002692
BUFFER
GND A8 A7 A6 A5 A4 A3 A2 A1 G1
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1 G2 Vcc
C7229
16V
0.1u
C2_5V
R7246 22
R7247 22
R7248 22
R7249 22
R7208 47
R7209 47
AB_CLK_P2
AB_CLK_N2
AB_CLK_P1
AB_CLK_N1
AB_ODED2
AB_CLRD
R7258
EXB38V102JV
AA_PCD2
AA_LED
IC7205
C0JBAZ002692
BUFFER
C7244
16V
0.1u
C2_5V
R7251
EXB38V470JV
R7250
EXB38V470JV
AB_PCD2_1
AB_PCD2_2
AB_LED5
AB_LED6
AB_LED7
AB_LED8
R7256
0
R7257
0
①
②
③
④
⑤
⑥
⑦
⑧
⑨
AB_LED5
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_CLRD
AB_CLK_N2
AB_ODED2
R7262
6.8
R7266
47
C7240
16V
1u
C7241
100V
0.47u
TERM
CB5
VDD2 VDD2 NC GND GND GND GND FS VDD1 LEN A6 A5 A4 A3 A2 A1 BLK CLR FX FDET1 VDD1 ODE GND GND GND GND NC VDD2 VDD2 VDD2 NC NC DM
AB_LED6
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
AB_CLRD
AB_CLK_N2
AB_ODED2
R7212
6.8
R7217
47
C7203
16V
1u
C7204
100V
0.47u
TERM
CB6
VDD2 VDD2 NC GND GND GND GND FS VDD1 LEN A6 A5 A4 A3 A2 A1 BLK CLR FX FDET1 VDD1 ODE GND GND GND GND NC VDD2 VDD2 VDD2 NC NC DM

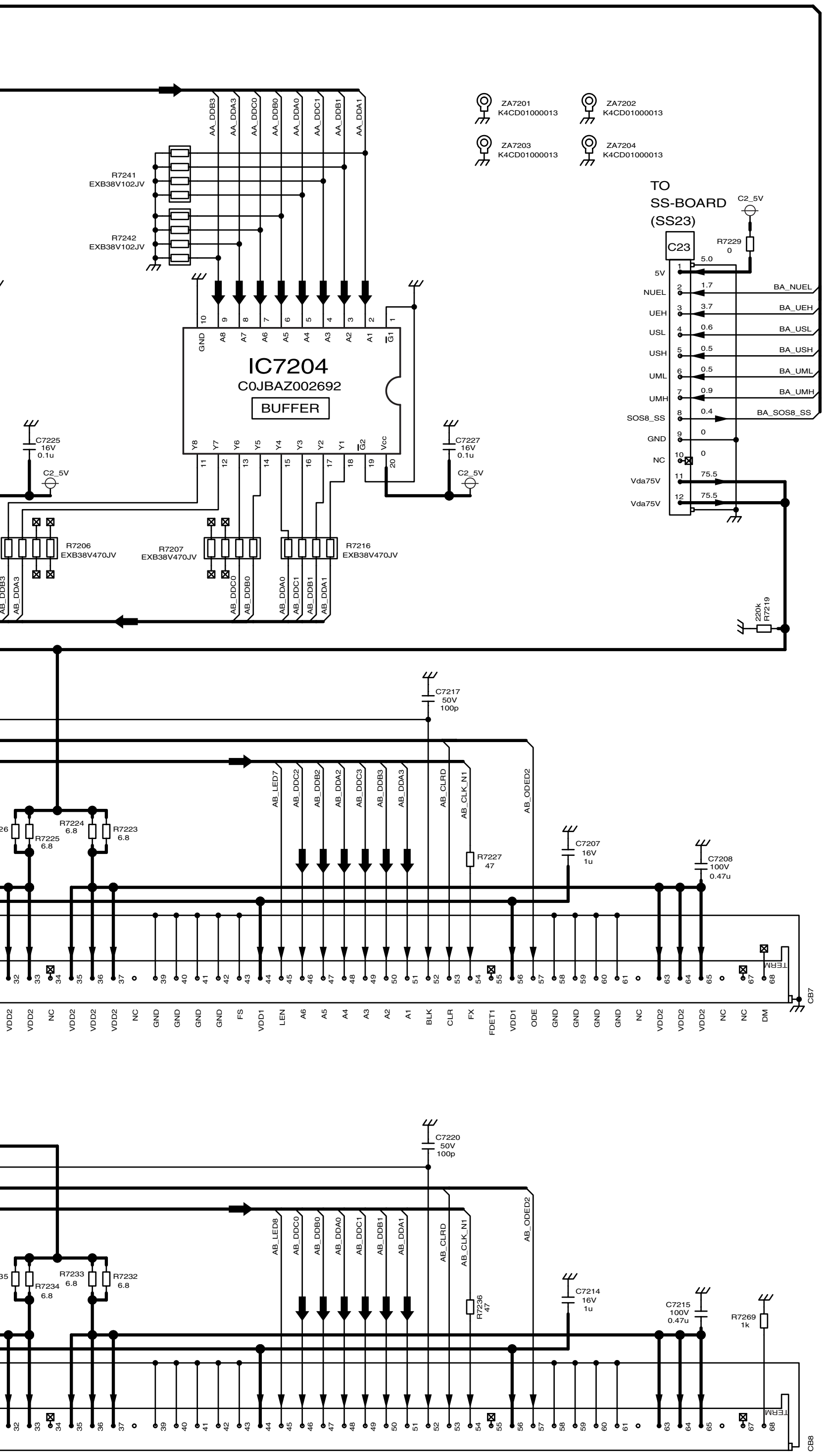
TH-42PV60E, TH-42PX60B
C2-Board (1 of 2) Schematic Diagram

5 6 7 8

14.61. C2-Board (2 of 2) Schematic Diagram (42inch)


C2-BOARD TNPA3813AB (2/2)
IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
R7237 EXB38V102JV
R7238 EXB38V102JV
R7239 EXB38V102JV
R7240 EXB38V102JV
R7241 EXB38V102JV
R7242 EXB38V102JV
R7201 EXB38V470JV
R7202 EXB38V470JV
R7203 EXB38V470JV
R7204 EXB38V470JV
R7205 EXB38V470JV
R7206 EXB38V470JV
C7223 16V 0.1u
C7225 16V 0.1u
C2_5V
C7205 100V 0.47u
C7216 16V 1u
C7212 100V 0.47u
C7219 16V 1u
R7221 47
R7231 47
R7226 6.8
R7225 6.8
R7224 6.8
R7223 6.8
R7235 6.8
R7234 6.8
R7233 6.8
R7232 6.8
CB7
TO PANEL DATA DRIVER
CB8
TO PANEL DATA DRIVER
SIDE

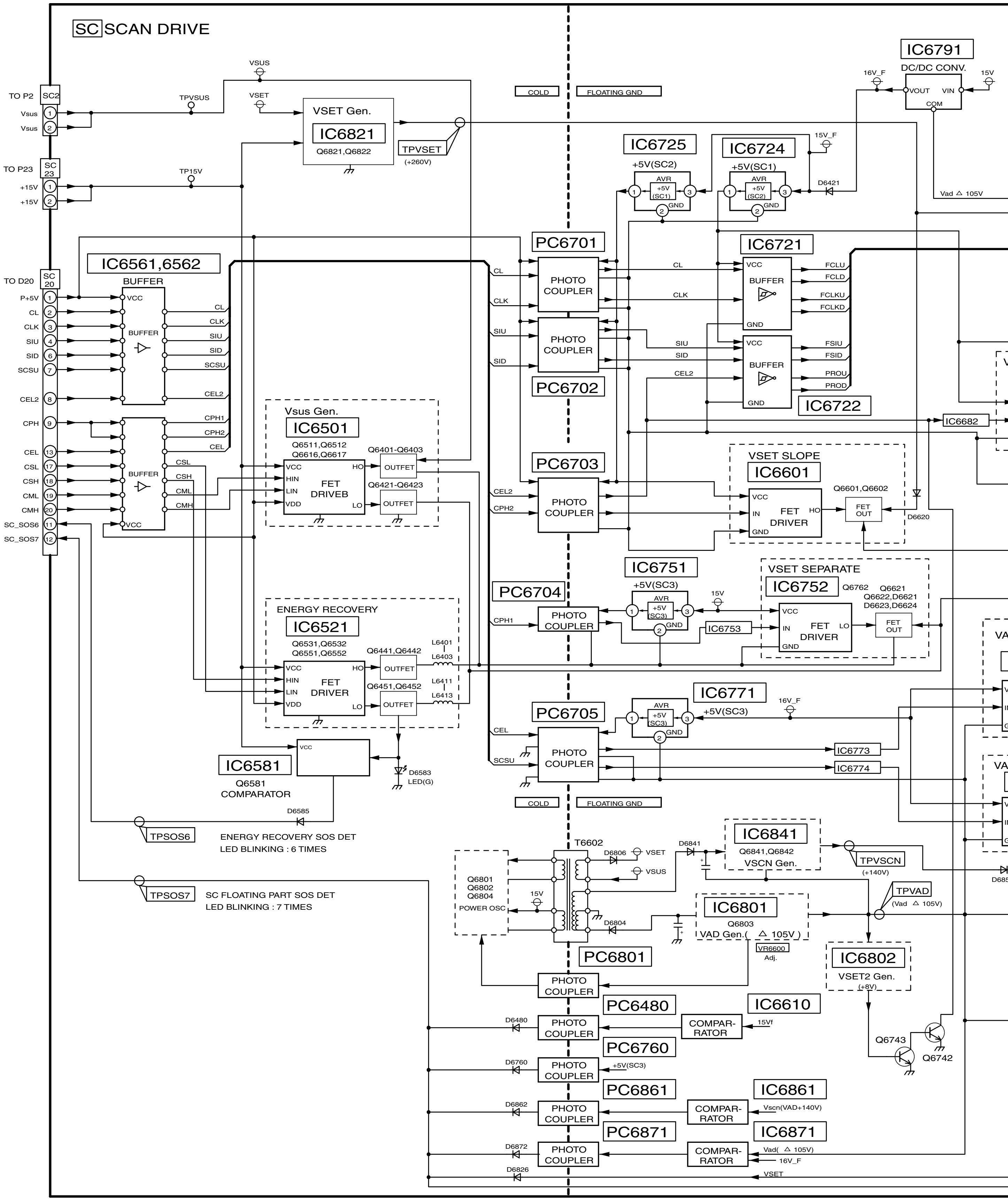
TH-42PV60E, TH-42PX60B
C2-Board (2 of 2) Schematic Diagram


IC7204
C0JBAZ002692
BUFFER
ZA7201 K4CD01000013
ZA7202 K4CD01000013
ZA7203 K4CD01000013
ZA7204 K4CD01000013
TO SS-BOARD (SS23)
C23
C2_5V
R7229 0
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
GND
NC
Vda75V
Vda75V
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_SOS8_SS
R7241 EXB38V102JV
R7242 EXB38V102JV
AA_DDB3
AA_DDA3
AA_DDC0
AA_DDB0
AA_DDA0
AA_DDC1
AA_DDB1
AA_DDA1
C7225 16V 0.1u
C7227 16V 0.1u
R7206 EXB38V470JV
R7207 EXB38V470JV
R7216 EXB38V470JV
AB_DDB3
AB_DDA3
AB_DDC0
AB_DDB0
AB_DDA0
AB_DDC1
AB_DDB1
AB_DDA1
R7219 220k
C7217 50V 100p
AB_LED7
AB_DDC2
AB_DDB2
AB_DDA2
AB_DDC3
AB_DDB3
AB_DDA3
AB_CLRD
AB_CLK_N1
AB_ODED2
R7224 6.8
R7225 6.8
R7223 6.8
R7227 47
C7207 16V 1u
C7208 100V 0.47u
TERM
CB7
C7220 50V 100p
AB_LED8
AB_DDC0
AB_DDB0
AB_DDA0
AB_DDC1
AB_DDB1
AB_DDA1
R7233 6.8
R7234 6.8
R7232 6.8
R7236 47
C7214 16V 1u
C7215 100V 0.47u
R7269 1k
CB8
VDD2
NC
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
ODE
DM

TH-42PV60E, TH-42PX60B
C2-Board (2 of 2) Schematic Diagram

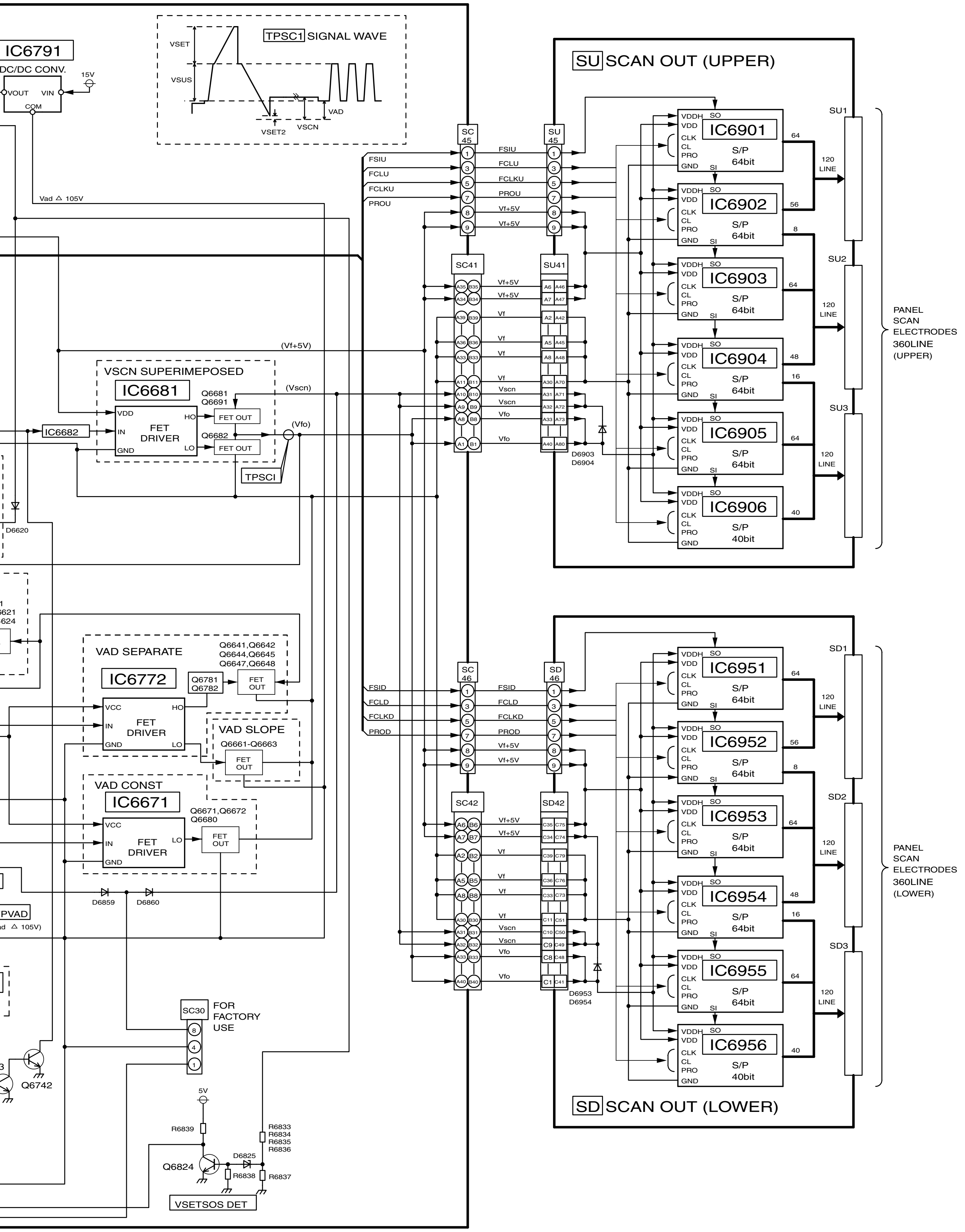
12 13 14 15

14.62. SC, SU and SD-Board Block Diagram (37inch)



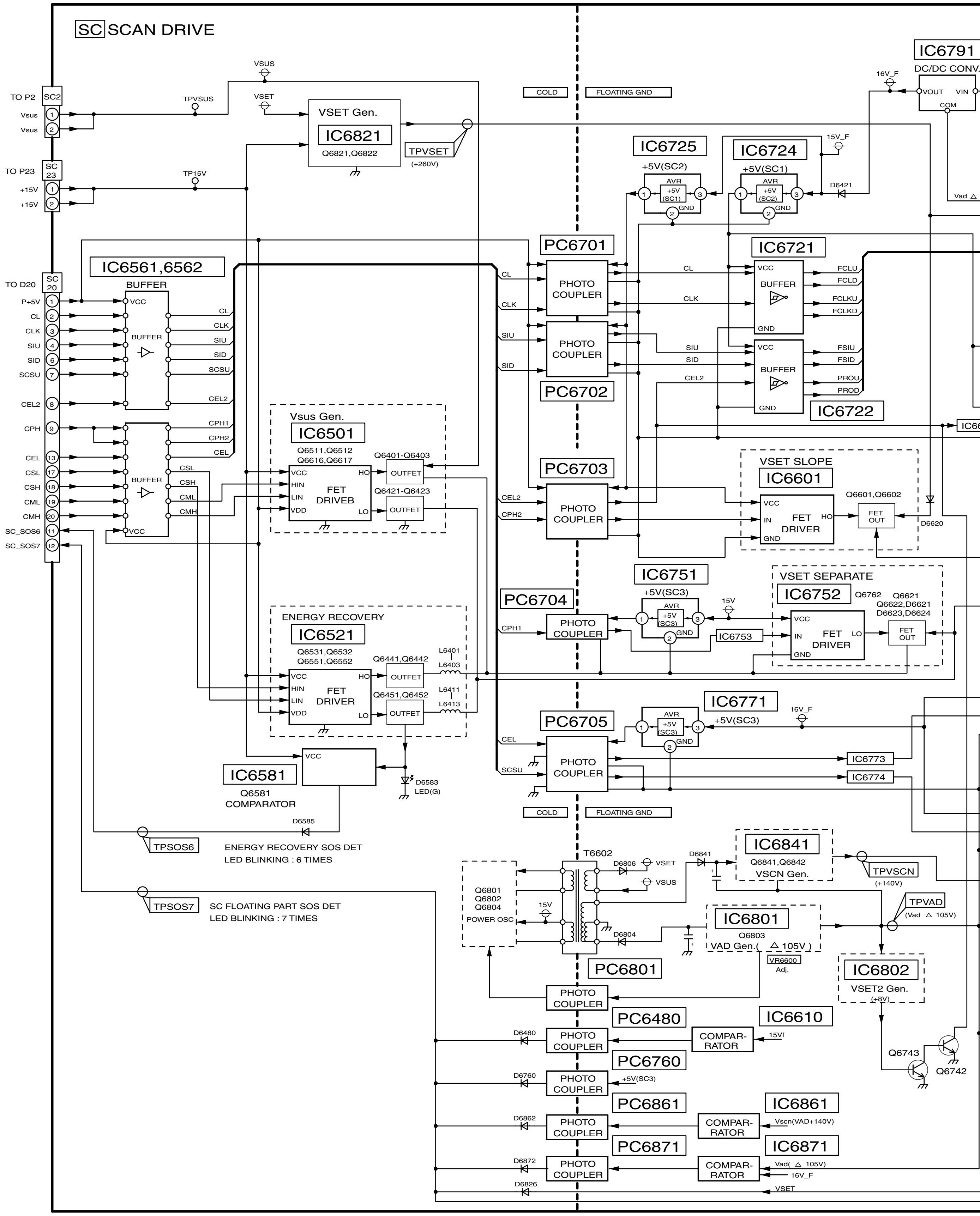
SC SCAN DRIVE
TO P2
SC2
Vsus
Vsus
TPVSUS
VSUS
VSET
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+260V)
COLD
FLOATING GND
IC6791
DC/DC CONV.
16V_F
15V
VOUT
VIN
COM
TO P23
SC 23
+15V
+15V
TP15V
IC6725
+5V(SC2)
IC6724
+5V(SC1)
15V_F
AVR
+5V (SC1)
+5V (SC2)
GND
D6421
Vad △ 105V
TO D20
SC 20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
IC6561,6562
BUFFER
VCC
CPH1
CPH2
PC6701
PC6702
PHOTO COUPLER
IC6721
IC6722
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
CEL2
IC6682
Vsus Gen.
IC6501
Q6511,Q6512
Q6616,Q6617
Q6401-Q6403
Q6421-Q6423
HO
HIN
LIN
VDD
LO
FET DRIVEB
OUTFET
PC6703
CH2
CPH2
VSET SLOPE
IC6601
Q6601,Q6602
FET DRIVER
FET OUT
IN
D6620
IC6751
+5V(SC3)
PC6704
CPH1
15V
VSET SEPARATE
IC6752
Q6762
Q6621
Q6622,D6621
D6623,D6624
IC6753
ENERGY RECOVERY
IC6521
Q6531,Q6532
Q6551,Q6552
Q6441,Q6442
Q6451,Q6452
L6401
L6403
L6411
L6413
FET DRIVER
IC6771
16V_F
PC6705
IC6773
IC6774
IC6581
Q6581
COMPARATOR
D6583
LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
T6602
D6806
VSET
VSUS
D6841
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+140V)
Q6801
Q6802
Q6804
POWER OSC
D6804
IC6801
Q6803
VAD Gen.(△ 105V)
VR6600
Adj.
TPVAD
(Vad △ 105V)
PC6801
IC6802
VSET2 Gen.
(+8V)
D6480
PC6480
IC6610
COMPAR-RATOR
15Vf
D6760
PC6760
+5V(SC3)
Q6743
Q6742
D6862
PC6861
IC6861
Vscn(VAD+140V)
D6872
PC6871
IC6871
Vad(△ 105V)
D6826
16V_F
VSET

TH-37PV60E, TH-37PX60B
SC, SU and SD-Board Block Diagram

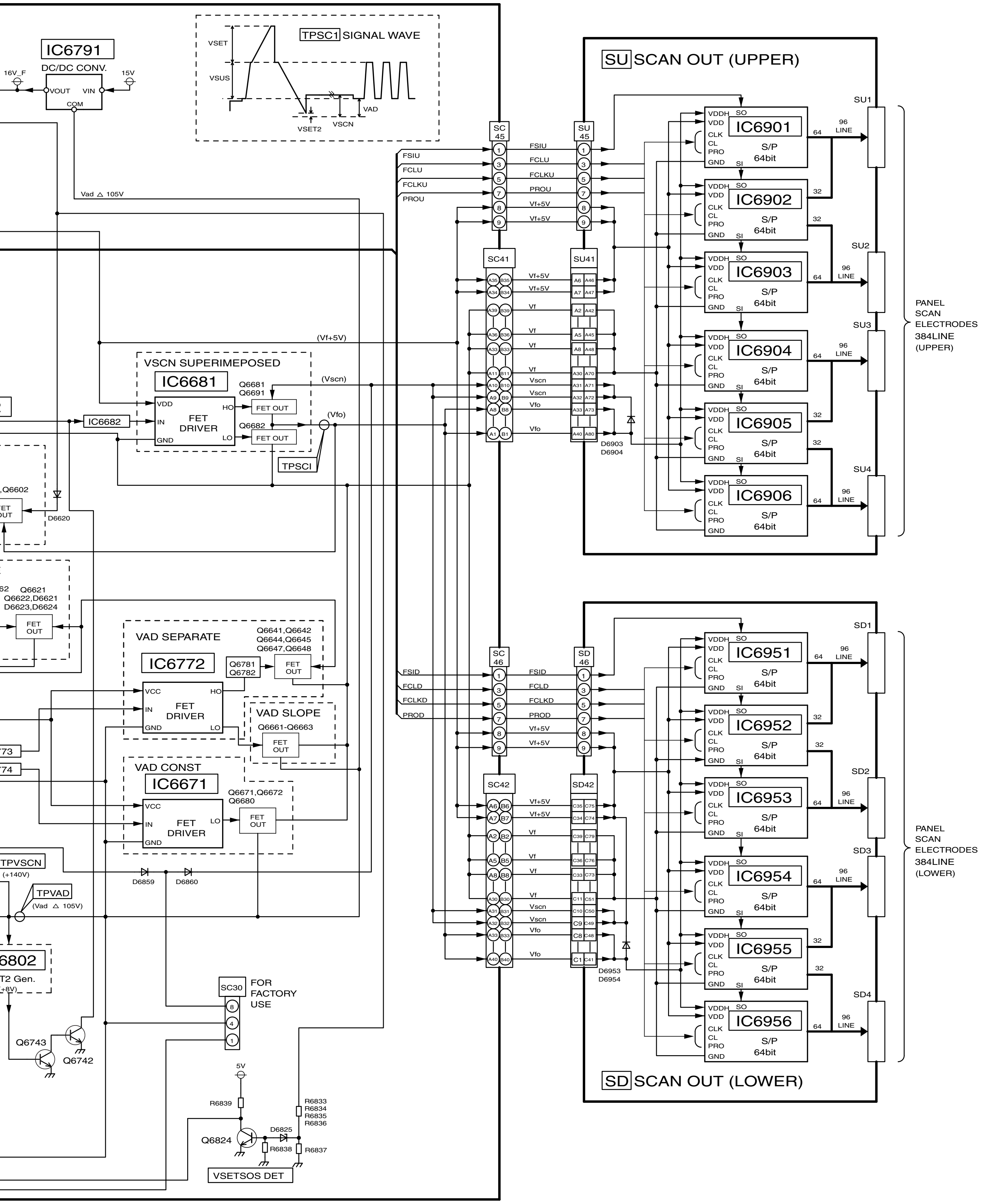

IC6791
DC/DC CONV.
VOUT
VIN
COM
15V
Vad △ 105V
TPSC1 SIGNAL WAVE
VSET
VSUS
VSET2
VSCN
VAD
SC 45
SU 45
FSIU
FCLU
FCLKU
PROU
Vf+5V
SC41
SU41
Vf
Vscn
Vfo
(Vf+5V)
VSCN SUPERIMEPOSED
IC6681
Q6681
Q6691
(Vscn)
FET OUT
VDD
HO
IN
FET DRIVER
GND
LO
Q6682
(Vfo)
IC6682
TPSCI
D6620
D6903
D6904
SU SCAN OUT (UPPER)
IC6901
IC6902
IC6903
IC6904
IC6905
IC6906
VDDH
SO
CLK
CL
PRO
SI
S/P
64bit
40bit
64
56
8
48
16
40
120 LINE
SU1
SU2
SU3
PANEL SCAN ELECTRODES 360LINE (UPPER)
6621
6624
VAD SEPARATE
Q6641,Q6642
Q6644,Q6645
Q6647,Q6648
IC6772
Q6781
Q6782
FET OUT
VCC
VAD SLOPE
Q6661-Q6663
VAD CONST
IC6671
Q6671,Q6672
Q6680
D6859
D6860
PVAD
d △ 105V)
SC 46
SD 46
FSID
FCLD
FCLKD
PROD
SC42
SD42
D6953
D6954
SC30
FOR FACTORY USE
Q6742
5V
R6839
R6833
R6834
R6835
R6836
D6825
Q6824
R6838
R6837
VSETSOS DET
SD SCAN OUT (LOWER)
IC6951
IC6952
IC6953
IC6954
IC6955
IC6956
SD1
SD2
SD3
PANEL SCAN ELECTRODES 360LINE (LOWER)

TH-37PV60E, TH-37PX60B
SC, SU and SD-Board Block Diagram

14.63. SC, SU and SD-Board Block Diagram (42inch)

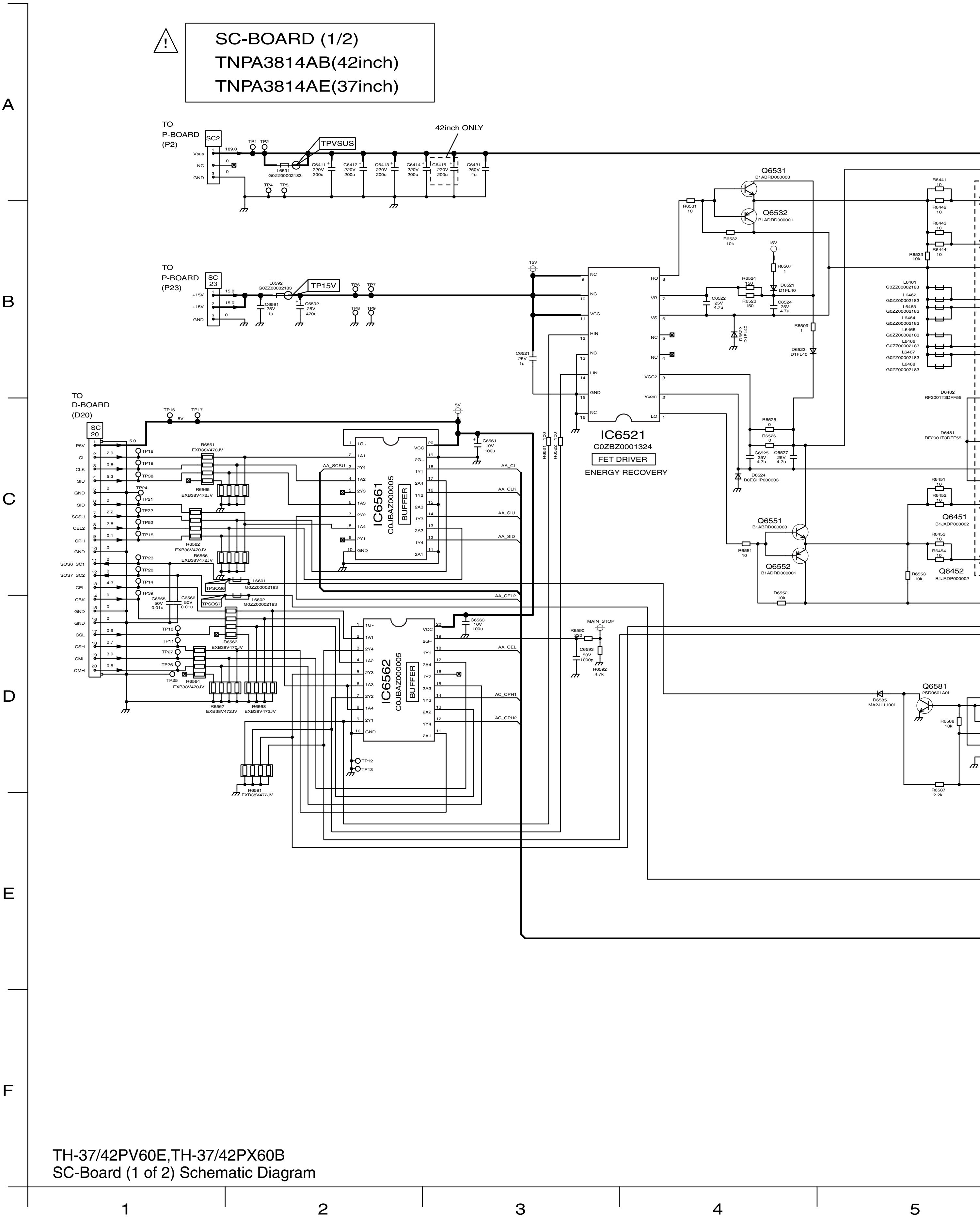

SC SCAN DRIVE
TO P2
SC2
Vsus
Vsus
TO P23
SC 23
+15V
+15V
TO D20
SC 20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
VSUS
TPVSUS
VSET
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+260V)
TP15V
IC6561,6562
BUFFER
VCC
CPH1
CPH2
Vsus Gen.
IC6501
Q6511,Q6512
Q6616,Q6617
Q6401-Q6403
OUTFET
Q6421-Q6423
FET DRIVEB
HO
HIN
LIN
VDD
LO
ENERGY RECOVERY
IC6521
Q6531,Q6532
Q6551,Q6552
Q6441,Q6442
Q6451,Q6452
FET DRIVER
L6401
L6403
L6411
L6413
IC6581
Q6581
COMPARATOR
D6583
LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
COLD
FLOATING GND
IC6791
DC/DC CONV.
16V_F
VOUT
VIN
COM
IC6725
+5V(SC2)
IC6724
+5V(SC1)
AVR
GND
15V_F
D6421
Vad △
PC6701
PHOTO COUPLER
PC6702
IC6721
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
IC6722
PC6703
VSET SLOPE
IC6601
Q6601,Q6602
FET OUT
D6620
IC6751
+5V(SC3)
15V
PC6704
VSET SEPARATE
IC6752
Q6762
Q6621
Q6622,D6621
Q6623,D6624
IC6753
IC6771
PC6705
IC6773
IC6774
T6602
D6806
VSUS
D6841
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+140V)
Q6801
Q6802
Q6804
POWER OSC
D6804
IC6801
Q6803
VAD Gen.(△105V)
VR6600
Adj.
TPVAD
(Vad △ 105V)
PC6801
IC6802
VSET2 Gen.
(+8V)
PC6480
D6480
IC6610
COMPAR-RATOR
15Vf
Q6743
Q6742
PC6760
D6760
PC6861
D6862
IC6861
Vscn(VAD+140V)
PC6871
D6872
IC6871
Vad(△ 105V)
D6826

TH-42PV60E, TH-42PX60B
SC, SU and SD-Board Block Diagram

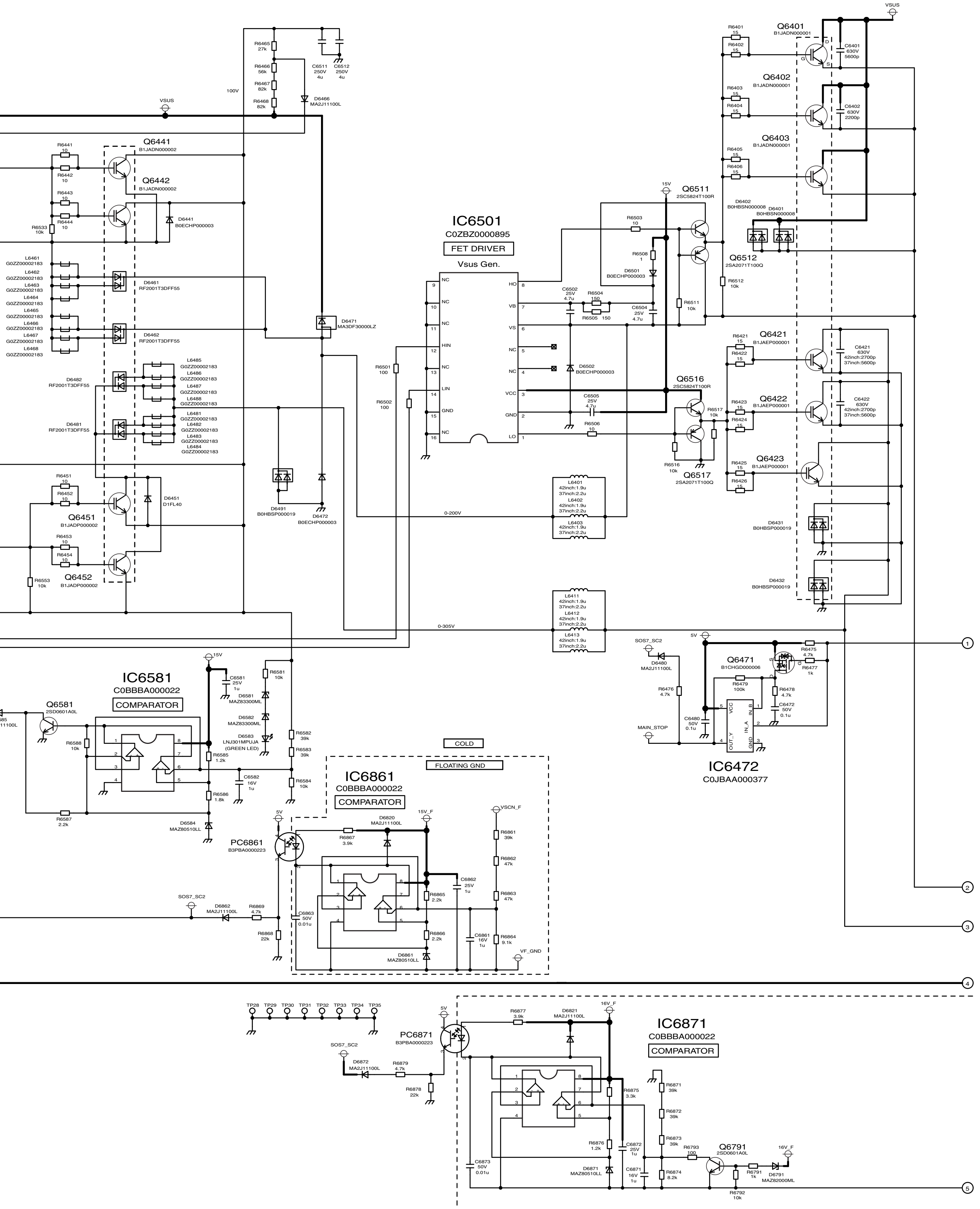

IC6791
DC/DC CONV.
16V_F
15V
VOUT
VIN
COM
TPSC1 SIGNAL WAVE
VSET
VSUS
VAD
VSET2
VSCN
Vad △ 105V
SU SCAN OUT (UPPER)
SU1
SU2
SU3
SU4
IC6901
IC6902
IC6903
IC6904
IC6905
IC6906
VDDH
SO
VDD
CLK
CL
PRO
GND
SI
S/P
64bit
64
32
96 LINE
PANEL SCAN ELECTRODES 384LINE (UPPER)
SC 45
SU 45
FSIU
FCLU
FCLKU
PROU
Vf+5V
SC41
SU41
Vf
Vscn
Vfo
D6903
D6904
(Vf+5V)
VSCN SUPERIMEPOSED
IC6681
Q6681
Q6691
Q6682
(Vscn)
(Vfo)
VDD
HO
IN
FET DRIVER
GND
LO
FET OUT
IC6682
TPSCI
,Q6602
D6620
Q6621
Q6622,D6621
D6623,D6624
VAD SEPARATE
Q6641,Q6642
Q6644,Q6645
Q6647,Q6648
IC6772
Q6781
Q6782
VCC
VAD SLOPE
Q6661-Q6663
VAD CONST
IC6671
Q6671,Q6672
Q6680
TPVSCN
(+140V)
TPVAD
(Vad △ 105V)
D6859
D6860
6802
T2 Gen.
(+8V)
Q6743
Q6742
SC30
FOR FACTORY USE
5V
R6839
R6833
R6834
R6835
R6836
D6825
Q6824
R6838
R6837
VSETSOS DET
SD SCAN OUT (LOWER)
SD1
SD2
SD3
SD4
IC6951
IC6952
IC6953
IC6954
IC6955
IC6956
PANEL SCAN ELECTRODES 384LINE (LOWER)
SC 46
SD 46
FSID
FCLD
FCLKD
PROD
SC42
SD42
D6953
D6954

TH-42PV60E, TH-42PX60B
SC, SU and SD-Board Block Diagram

14.64. SC-Board (1 of 2) Schematic Diagram


SC-BOARD (1/2)
TNPA3814AB(42inch)
TNPA3814AE(37inch)
TO P-BOARD (P2)
SC2
TPVSUS
42inch ONLY
TO P-BOARD (P23)
SC 23
TP15V
TO D-BOARD (D20)
SC 20
Q6531
Q6532
IC6521
C0ZBZ0001324
FET DRIVER
ENERGY RECOVERY
IC6561
C0JBAZ000005
BUFFER
IC6562
C0JBAZ000005
BUFFER
Q6551
Q6552
Q6451
Q6452
Q6581
MAIN_STOP
AA_SCSU
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AA_CEL
AC_CPH1
AC_CPH2
TPSOS6
TPSOS7
A
B
C
D
E
F
1
2
3
4
5

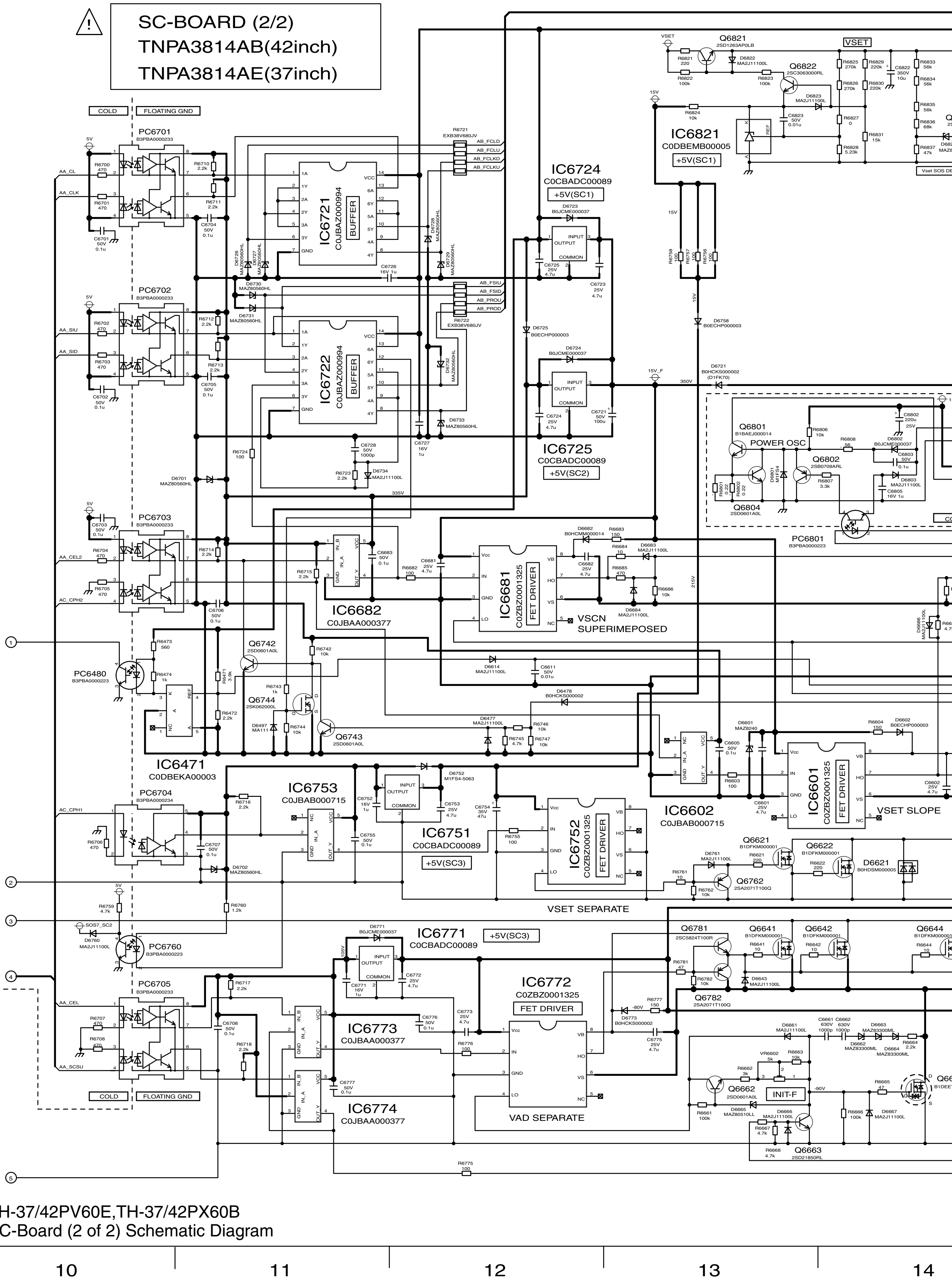
TH-37/42PV60E,TH-37/42PX60B
SC-Board (1 of 2) Schematic Diagram


VSUS
Q6401
B1JADN000001
R6401 15
R6402 15
C6401 630V 5600p
Q6402
B1JADN000001
R6403 15
R6404 15
C6402 630V 2200p
Q6403
B1JADN000001
R6405 15
R6406 15
D6402 B0HBSN000008
D6401 B0HBSN000008
Q6511
2SC5824T100R
15V
R6503 10
R6508 1
D6501 B0ECHP000003
Q6512
2SA2071T100Q
R6512 10k
R6511 10k
IC6501
C0ZBZ0000895
FET DRIVER
Vsus Gen.
NC
HO
VB
VS
HIN
LIN
GND
VCC
LO
C6502 25V 4.7u
R6504 150
R6505 150
C6504 25V 4.7u
D6502 B0ECHP000003
C6505 25V 4.7u
R6506 10
R6501 100
R6502 100
Q6516
2SC5824T100R
R6517 10k
R6516 10k
Q6517
2SA2071T100Q
Q6421
B1JAEP000001
R6421 15
R6422 15
C6421 630V 42inch:2700p 37inch:5600p
Q6422
B1JAEP000001
R6423 15
R6424 15
C6422 630V 42inch:2700p 37inch:5600p
Q6423
B1JAEP000001
R6425 15
R6426 15
D6431 B0HBSP000019
D6432 B0HBSP000019
L6401 42inch:1.9u 37inch:2.2u
L6402 42inch:1.9u 37inch:2.2u
L6403 42inch:1.9u 37inch:2.2u
0-200V
L6411 42inch:1.9u 37inch:2.2u
L6412 42inch:1.9u 37inch:2.2u
L6413 42inch:1.9u 37inch:2.2u
0-305V
R6465 27k
R6466 56k
R6467 82k
R6468 82k
C6511 250V 4u
C6512 250V 4u
D6466 MA2J11100L
100V
VSUS
Q6441
B1JADN000002
R6441 10
R6442 10
Q6442
B1JADN000002
R6443 10
R6444 10
D6441 B0ECHP000003
R6533 10k
L6461 G0ZZ00002183
L6462 G0ZZ00002183
L6463 G0ZZ00002183
L6464 G0ZZ00002183
L6465 G0ZZ00002183
L6466 G0ZZ00002183
L6467 G0ZZ00002183
L6468 G0ZZ00002183
D6461 RF2001T3DFF55
D6462 RF2001T3DFF55
D6471 MA3DF30000LZ
L6485 G0ZZ00002183
L6486 G0ZZ00002183
L6487 G0ZZ00002183
L6488 G0ZZ00002183
L6481 G0ZZ00002183
L6482 G0ZZ00002183
L6483 G0ZZ00002183
L6484 G0ZZ00002183
D6482 RF2001T3DFF55
D6481 RF2001T3DFF55
R6451 10
R6452 10
D6451 D1FL40
Q6451
B1JADP000002
R6453 10
R6454 10
Q6452
B1JADP000002
R6553 10k
D6491 B0HBSP000019
D6472 B0ECHP000003
IC6581
C0BBBA000022
COMPARATOR
Q6581
2SD0601A0L
R6588 10k
R6587 2.2k
15V
C6581 25V 1u
D6581 MAZ83300ML
D6582 MAZ83300ML
D6583 LNJ301MPUJA (GREEN LED)
R6581 10k
R6582 39k
R6583 39k
R6584 10k
R6585 1.2k
R6586 1.8k
C6582 16V 1u
D6584 MAZ80510LL
COLD
FLOATING GND
IC6861
C0BBBA000022
COMPARATOR
5V
PC6861
B3PBA0000223
R6867 3.9k
D6820 MA2J11100L
15V_F
VSCN_F
R6861 39k
R6862 47k
R6863 47k
R6864 9.1k
C6862 25V 1u
R6865 2.2k
R6866 2.2k
C6861 16V 1u
D6861 MAZ80510LL
C6863 50V 0.01u
R6868 22k
SOS7_SC2
D6862 MA2J11100L
R6869 4.7k
VF_GND
SOS7_SC2
D6480 MA2J11100L
5V
Q6471
B1CHGD000006
R6475 4.7k
R6477 1k
R6479 100k
R6478 4.7k
C6472 50V 0.1u
R6476 4.7k
C6480 50V 0.1u
MAIN_STOP
VCC
IN_B
IN_A
OUT_Y
GND
IC6472
C0JBAA000377
1
2
3
4
5
TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35
5V
PC6871
B3PBA0000223
SOS7_SC2
D6872 MA2J11100L
R6879 4.7k
R6878 22k
R6877 3.9k
D6821 MA2J11100L
16V_F
IC6871
C0BBBA000022
COMPARATOR
R6875 3.3k
R6876 1.2k
C6872 25V 1u
D6871 MAZ80510LL
C6871 16V 1u
C6873 50V 0.01u
R6871 39k
R6872 39k
R6873 39k
R6874 8.2k
R6793 100
Q6791
2SD0601A0L
16V_F
R6791 1k
D6791 MAZ82000ML
R6792 10k
COLD
FLOATING GND

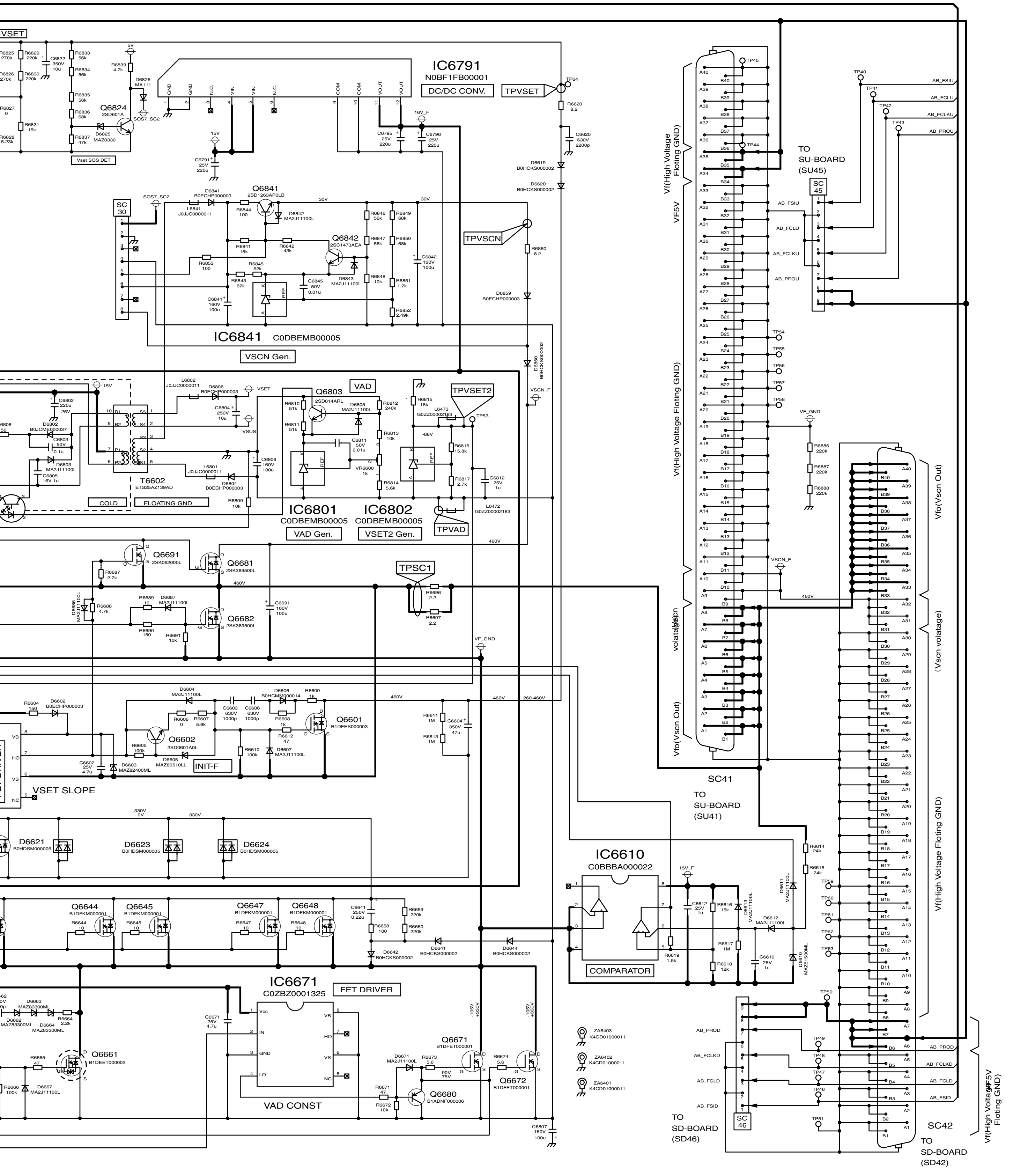
TH-37/42PV60E,TH-37/42PX60B
SC-Board (1 of 2) Schematic Diagram

5	6	7	8	9

14.65. SC-Board (2 of 2) Schematic Diagram


SC-BOARD (2/2)
TNPA3814AB(42inch)
TNPA3814AE(37inch)
COLD
FLOATING GND
PC6701
B3PBA0000233
PC6702
PC6703
PC6704
B3PBA0000234
PC6705
PC6480
B3PBA0000223
PC6760
PC6801
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AC_CPH2
AC_CPH1
AA_CEL
AA_SCSU
SOS7_SC2
AB_FCLD
AB_FCLU
AB_FCLKD
AB_FCLKU
AB_FSIU
AB_FSID
AB_PROU
AB_PROD
R6721
EXB38V680JV
R6722
IC6721
C0JBAZ000994
BUFFER
IC6722
C0JBAZ000994
BUFFER
IC6724
C0CBADC00089
+5V(SC1)
IC6725
C0CBADC00089
+5V(SC2)
INPUT
OUTPUT
COMMON
IC6821
C0DBEMB00005
+5V(SC1)
Q6821
2SD1263AP0LB
Q6822
2SC3063000RL
VSET
Vset SOS DE
Q6801
B1BAEJ000014
POWER OSC
Q6802
2SB0709ARL
Q6804
2SD0601A0L
IC6681
C0ZBZ0001325
FET DRIVER
VSCN
SUPERIMPOSED
IC6682
C0JBAA000377
Q6742
2SD0601A0L
Q6744
2SK0620000L
Q6743
2SD0601A0L
IC6471
C0DBEKA00003
IC6753
C0JBAB000715
IC6751
C0CBADC00089
+5V(SC3)
IC6752
C0ZBZ0001325
FET DRIVER
VSET SEPARATE
IC6602
C0JBAB000715
IC6601
C0ZBZ0001325
FET DRIVER
VSET SLOPE
Q6621
B1DFKM000001
Q6622
B1DFKM000001
D6621
B0HDSM000005
Q6762
2SA2071T100Q
Q6781
2SC5824T100R
Q6782
2SA2071T100Q
Q6641
Q6642
Q6644
B1DFKM000001
IC6771
C0CBADC00089
+5V(SC3)
IC6772
C0ZBZ0001325
FET DRIVER
IC6773
C0JBAA000377
IC6774
C0JBAA000377
VAD SEPARATE
Q6662
2SD0601A0L
INIT-F
Q6663
2SD21850RL
-80V
-90V
335V
350V
215V
15V
15V_F
5V
IN_A
IN_B
OUT_Y
GND
VCC
Vcc
IN
LO
VB
HO
VS
NC
1
2
3
4
5
10
11
12
13
14

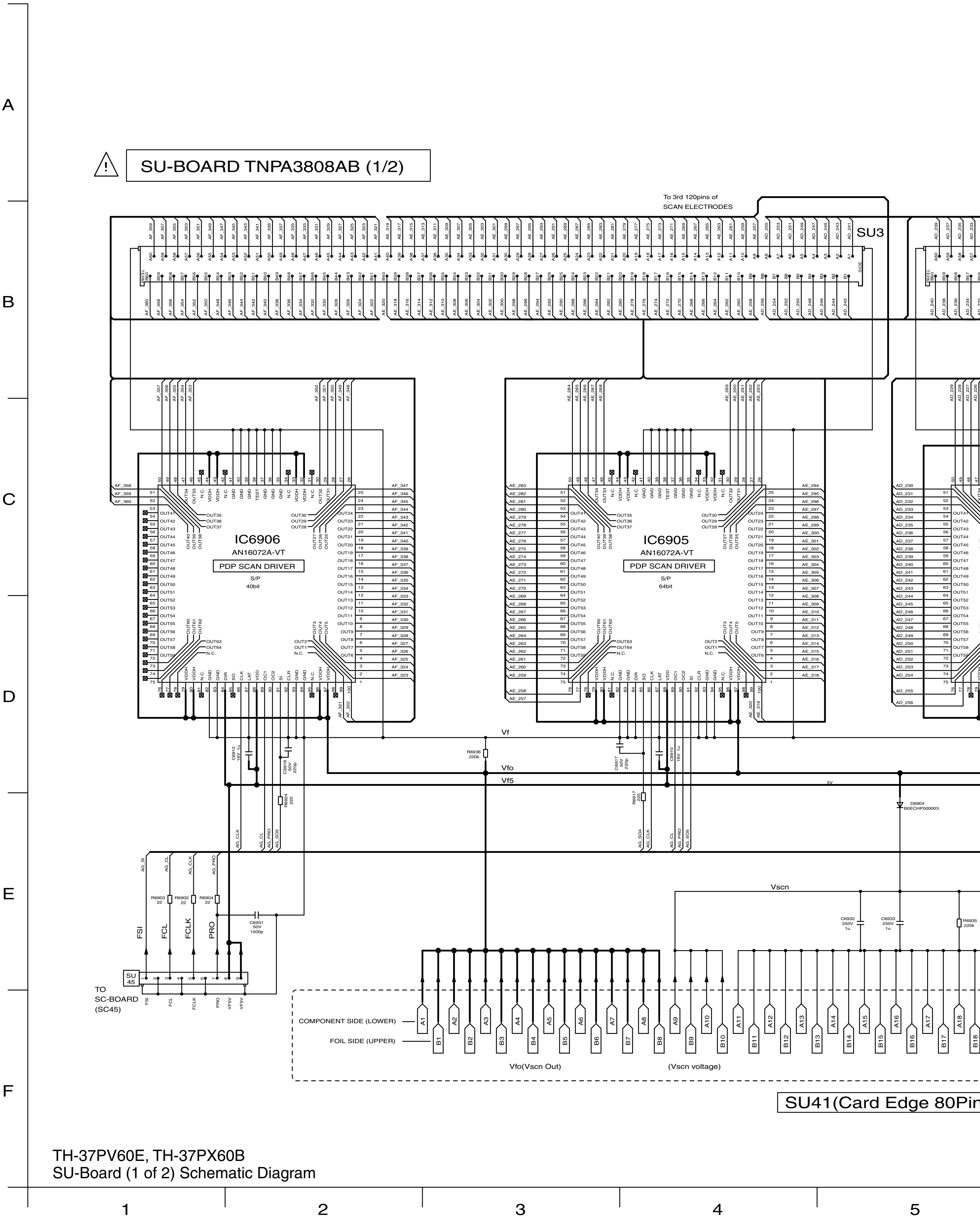
TH-37/42PV60E,TH-37/42PX60B
SC-Board (2 of 2) Schematic Diagram


IC6791
N0BF1FB00001
DC/DC CONV.
TPVSET
VSET
Q6824
2SD601A
Vset SOS DET
SC 30
Q6841
2SD1263AP0LB
Q6842
2SC1473AEA
TPVSCN
IC6841 C0DBEMB00005
VSCN Gen.
Q6803
2SD814ARL
VAD
TPVSET2
T6602
ETS25AZ139AD
COLD
FLOATING GND
IC6801 C0DBEMB00005
IC6802 C0DBEMB00005
VAD Gen.
VSET2 Gen.
TPVAD
Q6691
2SK062000L
Q6681
2SK389500L
Q6682
2SK389500L
TPSC1
Q6601
B1DFES000003
Q6602
2SD0601A0L
INIT-F
VSET SLOPE
D6621
D6623
D6624
Q6644
Q6645
Q6647
Q6648
IC6671
C0ZBZ0001325
FET DRIVER
VAD CONST
Q6661
B1DEET000002
Q6671
B1DFET000001
Q6672
B1DFET000001
Q6680
B1ADNF000006
IC6610
C0BBBA000022
COMPARATOR
SC41
TO SU-BOARD (SU41)
TO SU-BOARD (SU45)
SC 45
TO SD-BOARD (SD46)
SC 46
SC42
TO SD-BOARD (SD42)
Vf(High Voltage Floting GND)
VF5V
Vfo(Vscn Out)
(Vscn volatage)
ZA6401
ZA6402
ZA6403

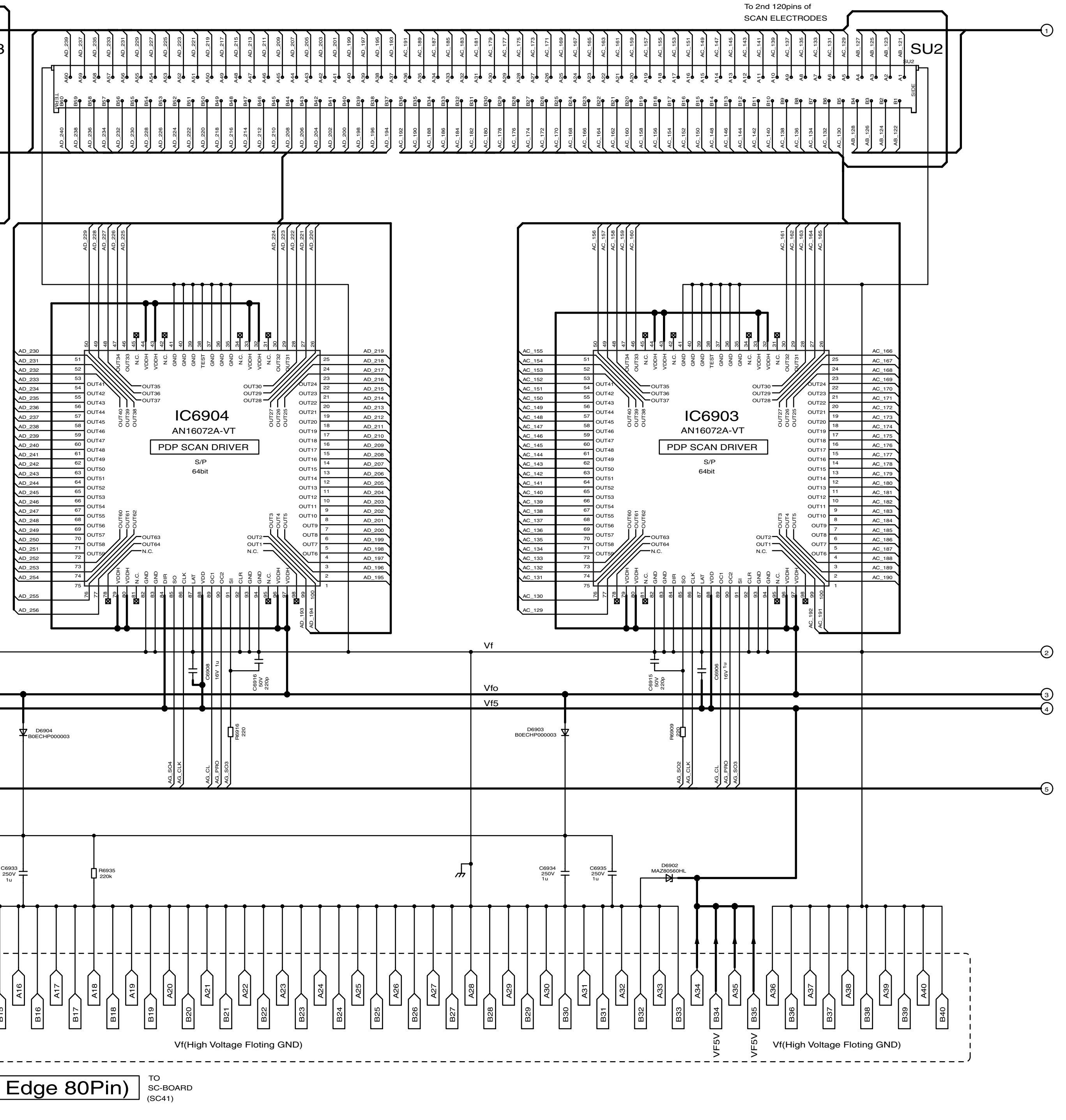
TH-37/42PV60E,TH-37/42PX60B
SC-Board (2 of 2) Schematic Diagram

14 15 16 17 18

14.66. SU-Board (1 of 2) Schematic Diagram (37inch)


A
B
C
D
E
F
SU-BOARD TNPA3808AB (1/2)
To 3rd 120pins of SCAN ELECTRODES
SU3
IC6906
AN16072A-VT
PDP SCAN DRIVER
S/P
40bit
IC6905
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
5V
D6904
B0ECHP000003
R6936 220k
C6912 16V 1u
C6918 50V 220p
R6924 220
C6917 50V 220p
C6910 16V 1u
R6917 220
Vscn
R6903 22
R6902 22
R6904 22
C6931 50V 1000p
C6932 250V 1u
C6933 250V 1u
R6935 220k
FSI
FCL
FCLK
PRO
SU 45
TO SC-BOARD (SC45)
VF5V
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vfo(Vscn Out)
(Vscn voltage)
SU41(Card Edge 80Pin
1
2
3
4
5

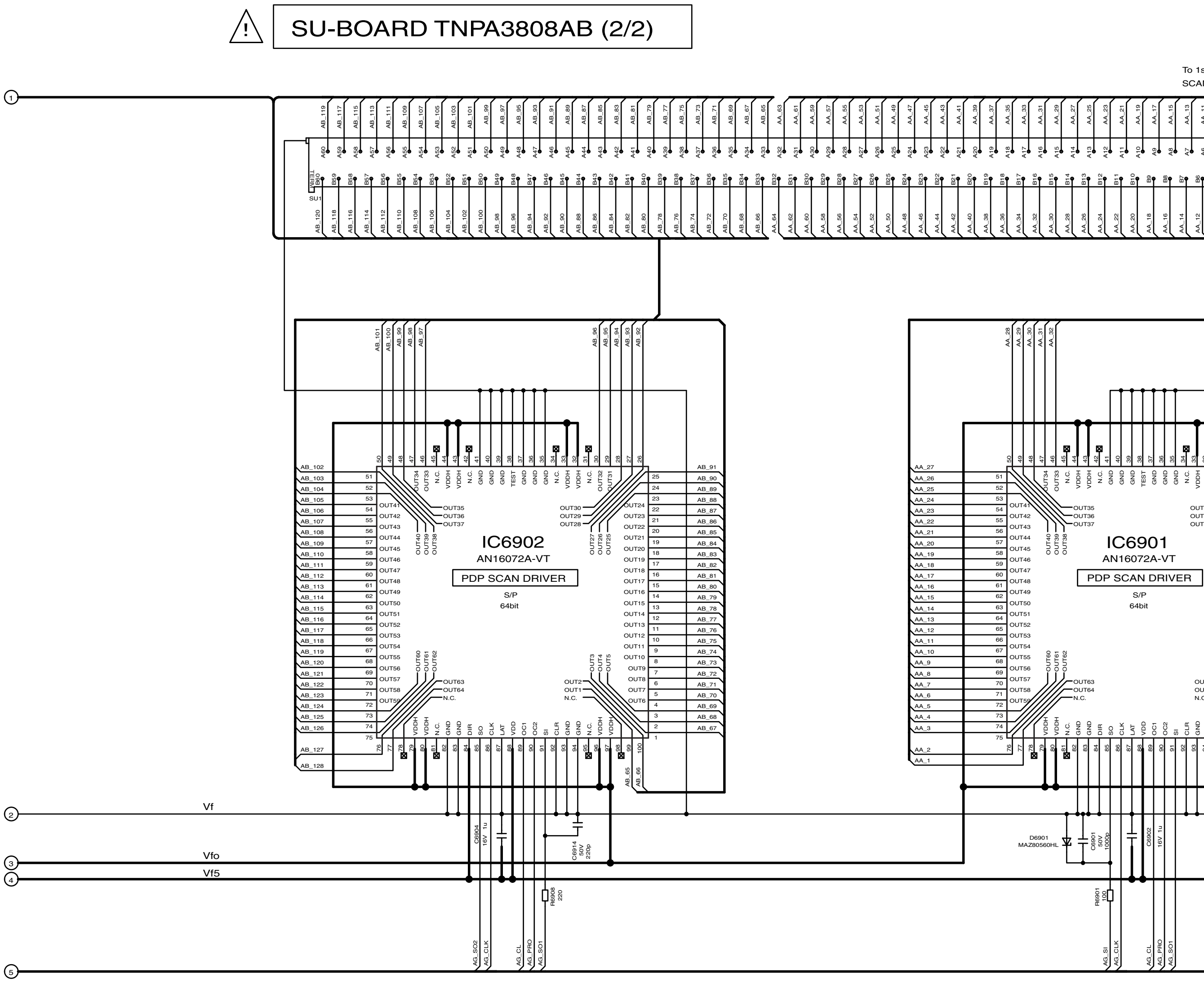
TH-37PV60E, TH-37PX60B
SU-Board (1 of 2) Schematic Diagram

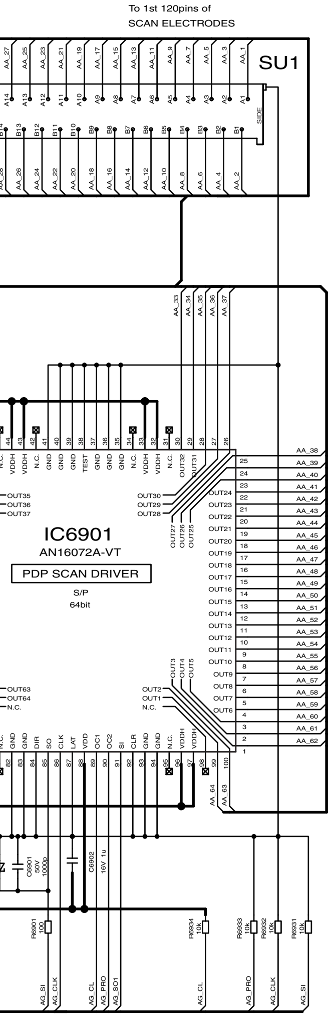

To 2nd 120pins of
SCAN ELECTRODES
SU2
IC6904
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6903
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
D6904
B0ECHP000003
D6903
B0ECHP000003
D6902
MAZ80560HL
C6908
16V 1u
C6916
50V
220p
R6916
220
C6915
50V
220p
C6906
16V 1u
R6909
220
C6933
250V
1u
R6935
220k
C6934
250V
1u
C6935
250V
1u
AG_SO4
AG_CLK
AG_CL
AG_PRO
AG_SO3
AG_SO2
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
Edge 80Pin)
TO
SC-BOARD
(SC41)
①
②
③
④
⑤

TH-37PV60E, TH-37PX60B
SU-Board (1 of 2) Schematic Diagram

5 6 7 8 9

14.67. SU-Board (2 of 2) Schematic Diagram (37inch)


SU-BOARD TNPA3808AB (2/2)
To 1s
SCAI
SU1
TEST
IC6902
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
C6904
16V 1u
C6914
50V
220p
R6908
220
D6901
MAZ80560HL
C6901
50V
1000p
C6902
16V 1u
R6901
100
AG_SO2
AG_CLK
AG_CL
AG_PRO
AG_SO1
AG_SI
AG_CLK
AG_CL
AG_PRO
AG_SO1
1
2
3
4
5

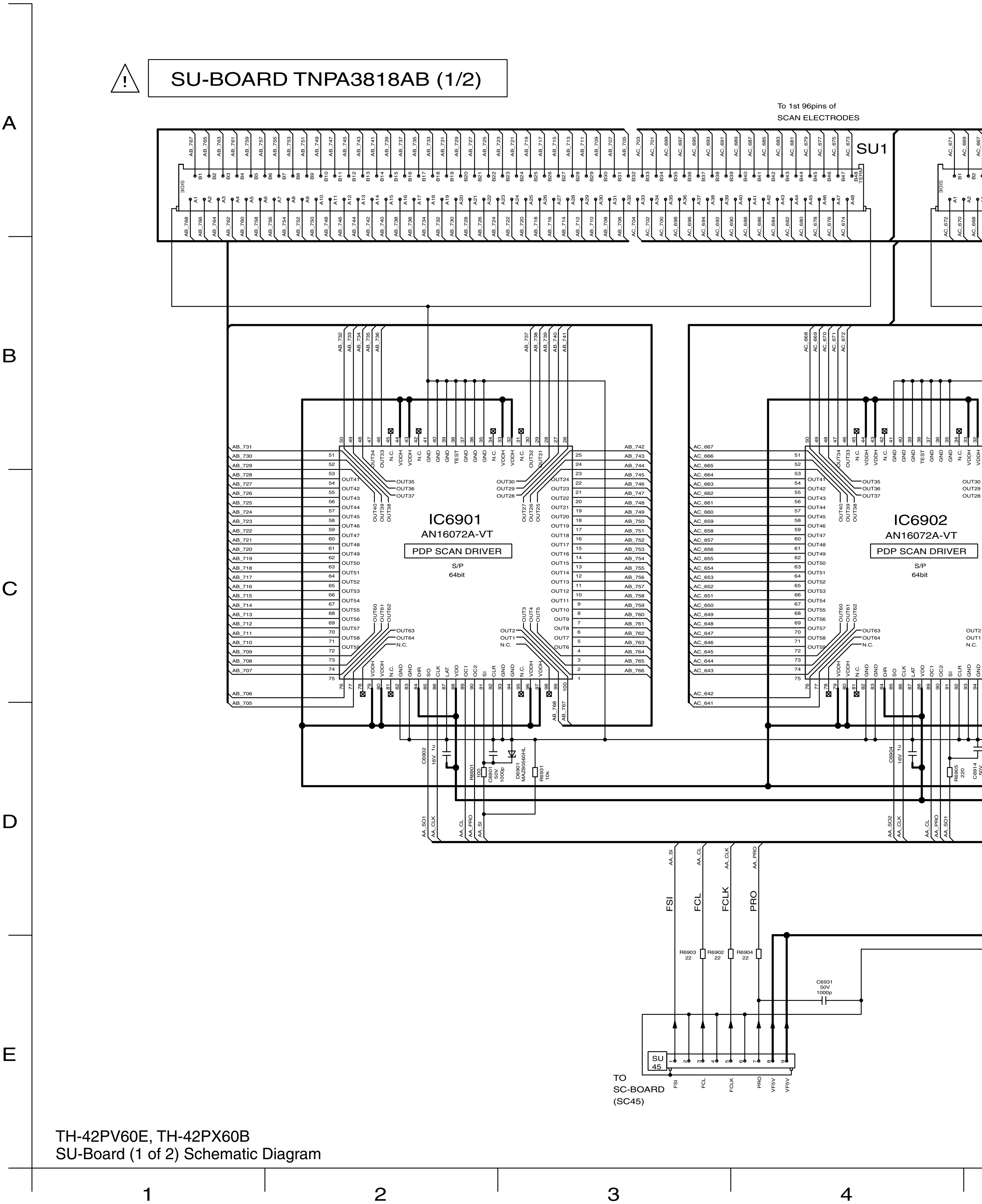


To 1st 120pins of
SCAN ELECTRODES
SU1
SIDE
IC6901
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
OUT35
OUT36
OUT37
OUT30
OUT29
OUT28
OUT63
OUT64
N.C.
OUT2
OUT1
C6901
50V
1000p
C6902
16V 1u
R6901
100
R6934
10k
R6933
10k
R6932
10k
R6931
10k
AG_SI
AG_CLK
AG_CL
AG_PRO
AG_SO1

TH-37PV60E, TH-37PX60B
SU-Board (2 of 2) Schematic Diagram

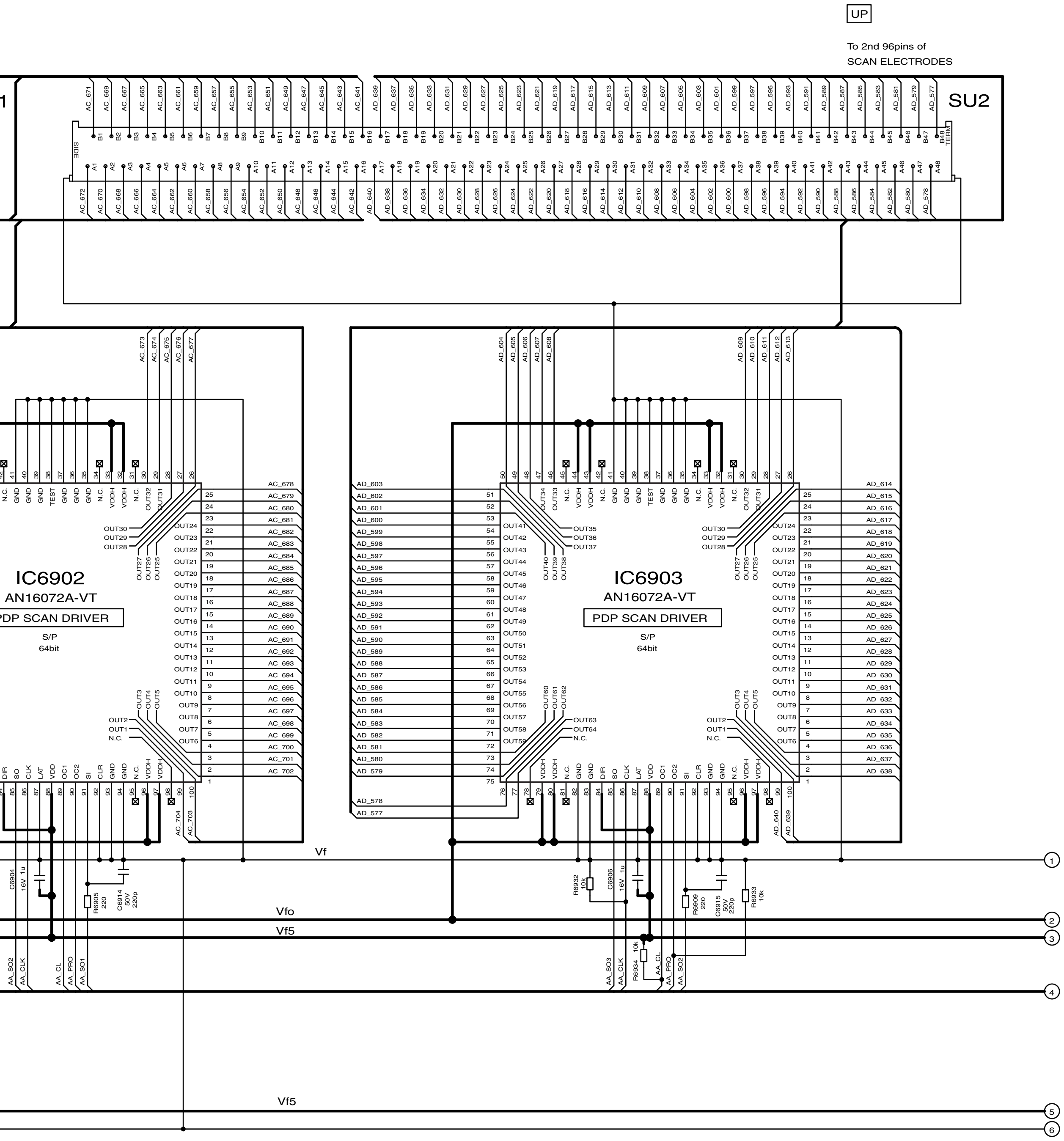
14 15 16 17 18

14.68. SU-Board (1 of 2) Schematic Diagram (42inch)



SU-BOARD TNPA3818AB (1/2)
To 1st 96pins of
SCAN ELECTRODES
SU1
SIDE
IC6901
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6902
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6902
16V 1u
R6901
100
C6901
50V
1000p
D6901
MAZ80560HL
R6931
10k
C6904
16V 1u
R6905
220
C6914
50V
AA_SO1
AA_CLK
AA_CL
AA_PRO
AA_SI
AA_SO2
FSI
FCL
FCLK
PRO
R6903
22
R6902
22
R6904
22
C6931
50V
1000p
SU
45
VF5V
TO
SC-BOARD
(SC45)
A
B
C
D
E
1
2
3
4

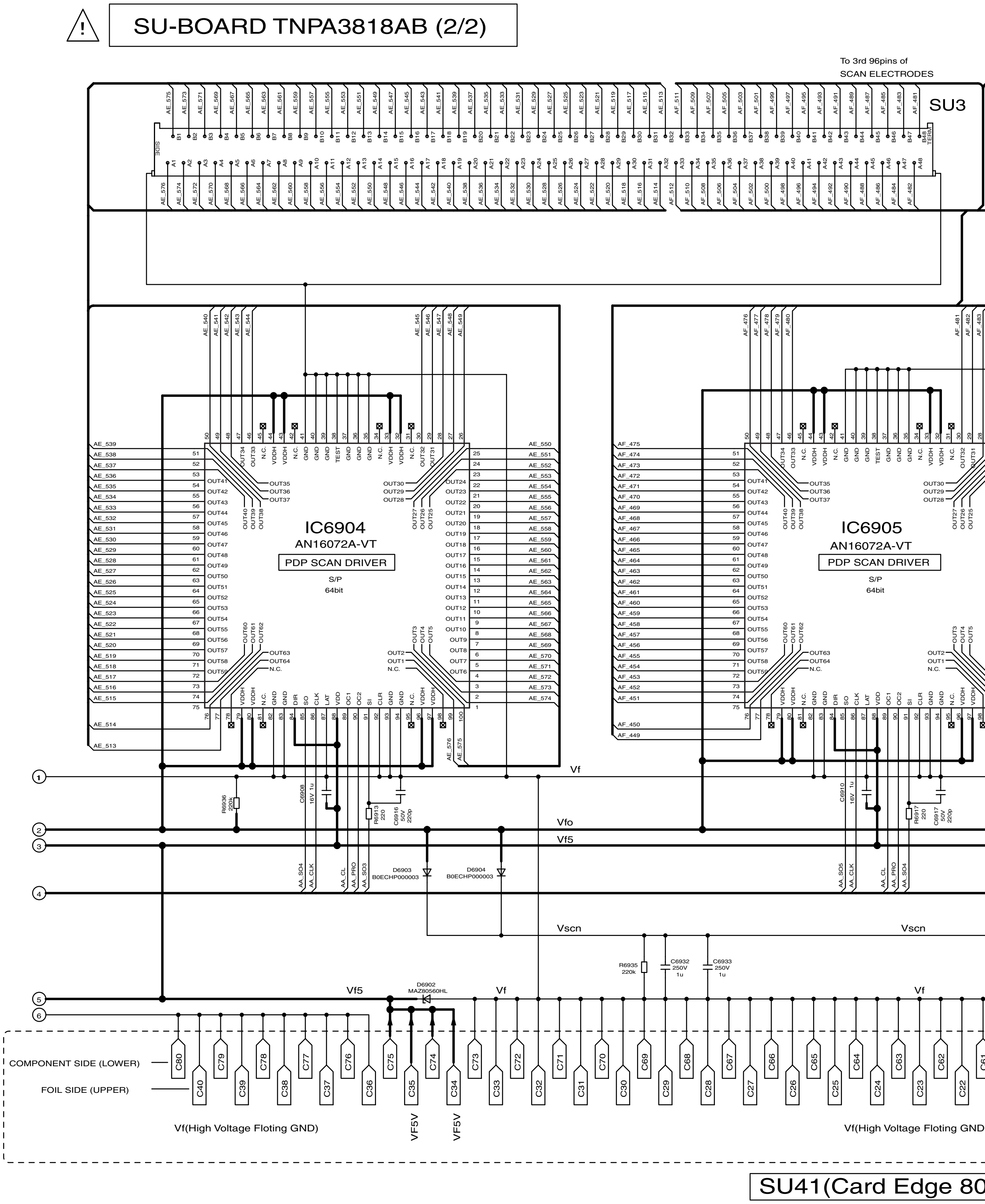
TH-42PV60E, TH-42PX60B
SU-Board (1 of 2) Schematic Diagram

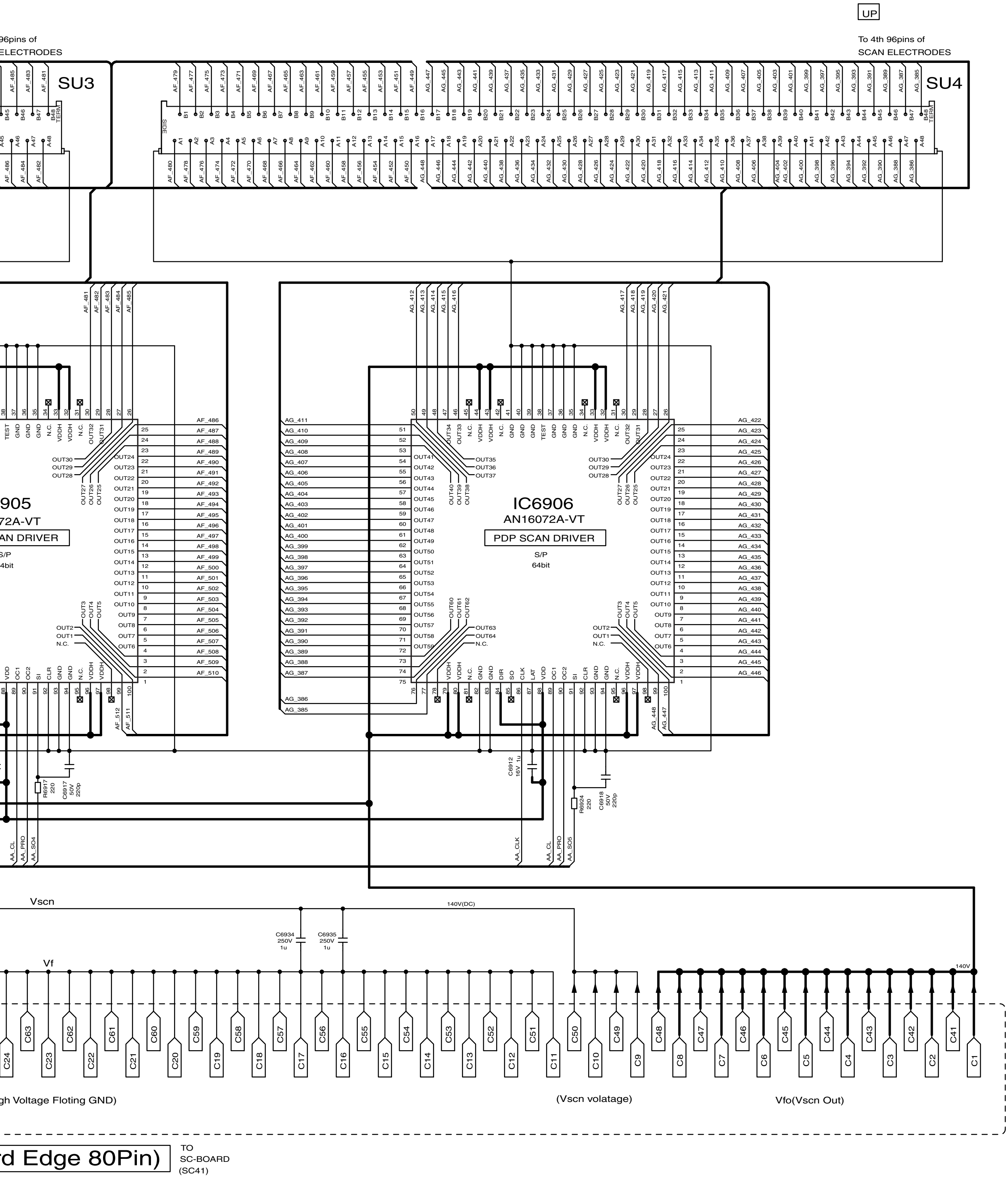

UP
To 2nd 96pins of
SCAN ELECTRODES
SU2
1
IC6902
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6903
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vf5
C6904
16V 1u
R6905
220
C6914
50V
220p
R6932
10k
C6906
16V 1u
R6909
220
C6915
50V
220p
R6933
10k
R6934 10k
AA_SO2
AA_CLK
AA_CL
AA_PRO
AA_SO1
AA_SO3
AA_CLK
AA_CL
AA_PRO
AA_SO2
①
②
③
④
⑤
⑥

TH-42PV60E, TH-42PX60B
SU-Board (1 of 2) Schematic Diagram

5 6 7 8

14.69. SU-Board (2 of 2) Schematic Diagram (42inch)

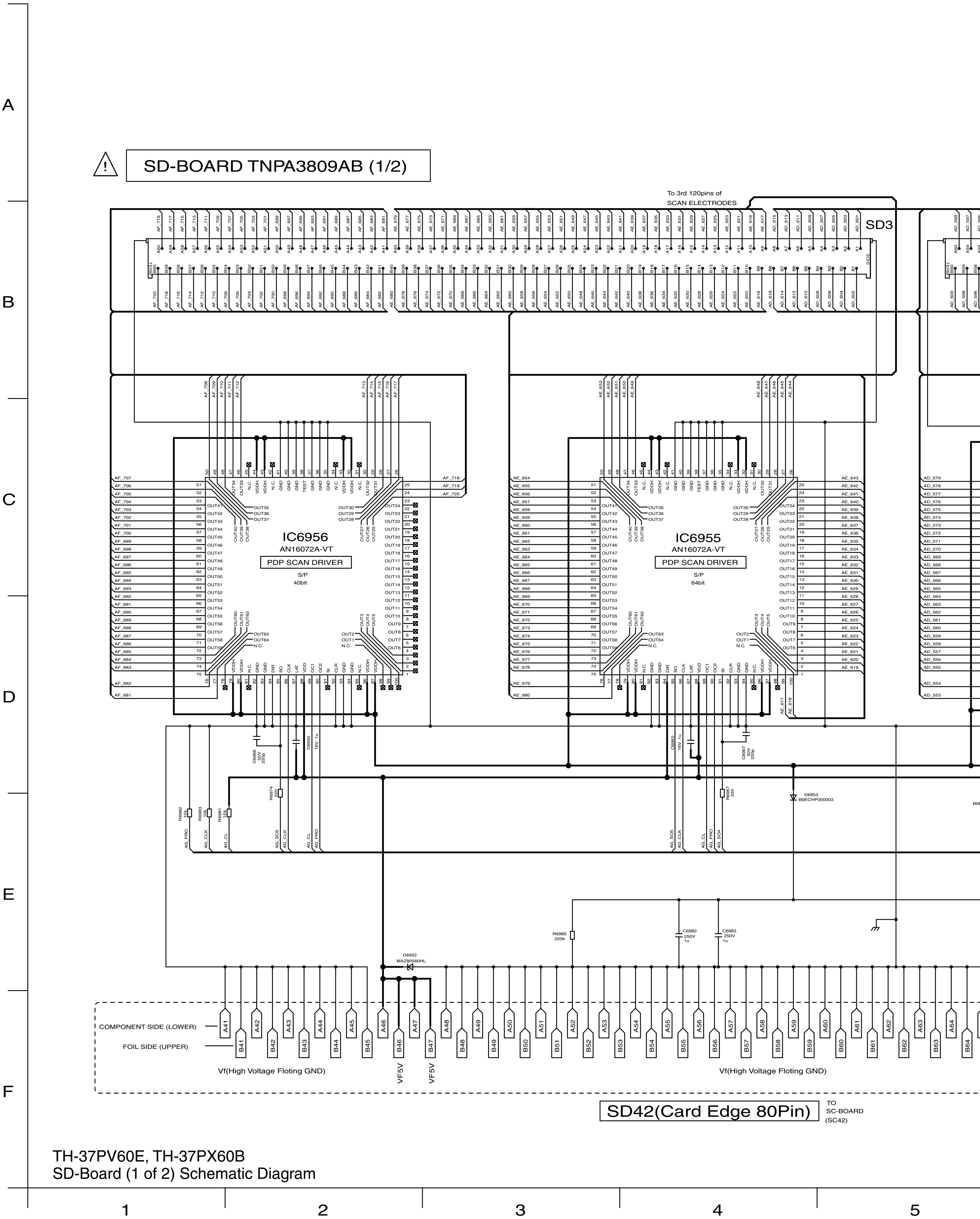

SU-BOARD TNPA3818AB (2/2)
To 3rd 96pins of
SCAN ELECTRODES
SU3
IC6904
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6905
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
D6903
B0ECHP000003
D6904
B0ECHP000003
D6902
MAZ80560HL
R6936
220k
C6908
16V 1u
R6913
220
C6916
50V
220p
R6935
220k
C6932
250V
1u
C6933
250V
1u
C6910
16V 1u
R6917
220
C6917
50V
220p
AA_SO4
AA_CLK
AA_CL
AA_PRO
AA_SO3
AA_SO5
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
VF5V
Vf(High Voltage Floting GND)
SU41(Card Edge 80


UP
96pins of
ELECTRODES
To 4th 96pins of
SCAN ELECTRODES
SU3
SU4
905
72A-VT
AN DRIVER
S/P
4bit
IC6906
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6912 16V 1u
R6917 220
C6917 50V 220p
R6924 220
C6918 50V 220p
AA_CL
AA_PRO
AA_SO4
AA_CLK
AA_SO5
Vscn
140V(DC)
C6934 250V 1u
C6935 250V 1u
Vf
140V
gh Voltage Floting GND)
(Vscn volatage)
Vfo(Vscn Out)
rd Edge 80Pin)
TO
SC-BOARD
(SC41)

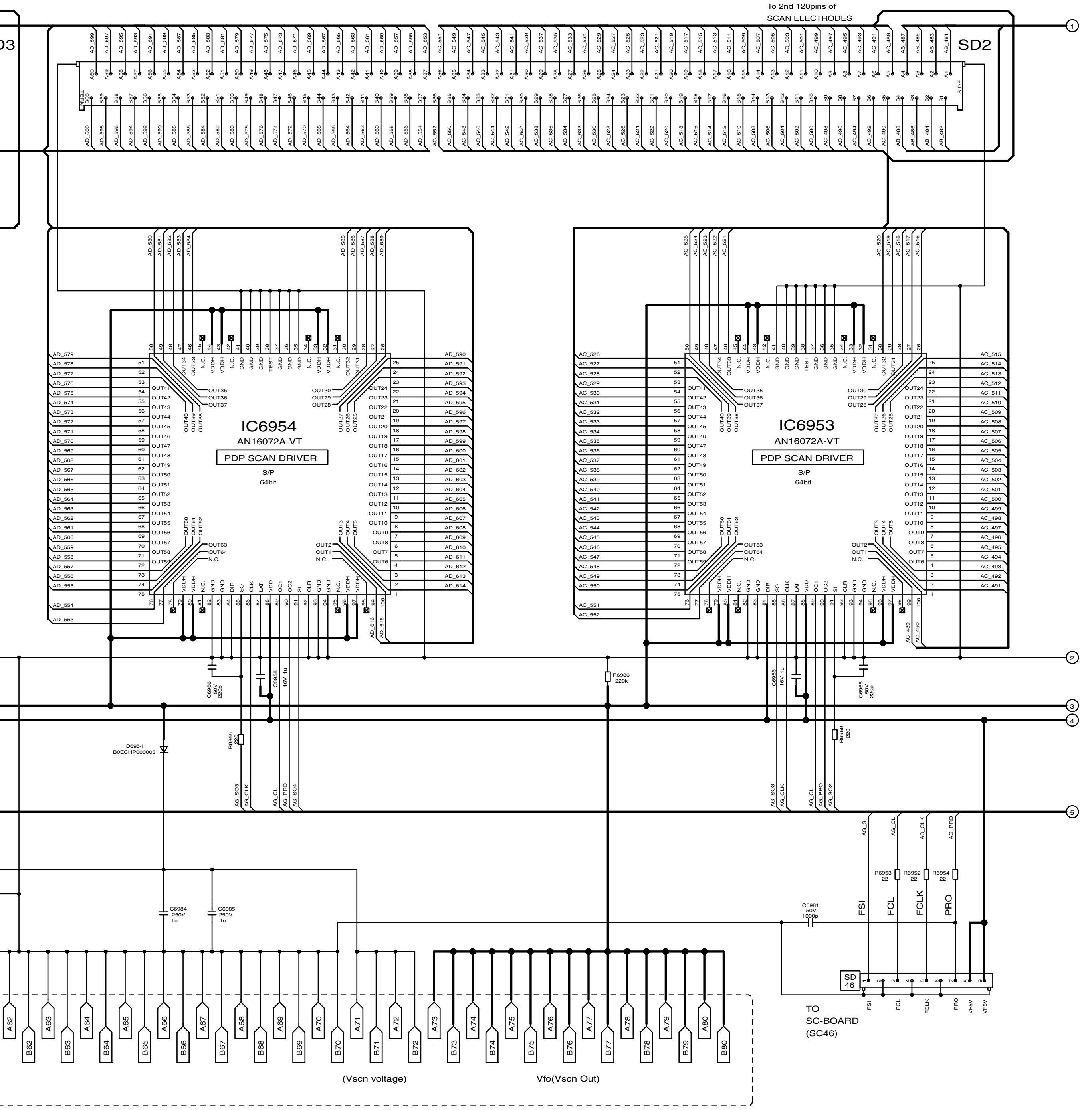
TH-42PV60E, TH-42PX60B
SU-Board (2 of 2) Schematic Diagram

12 13 14 15

14.70. SD-Board (1 of 2) Schematic Diagram (37inch)


A
B
C
D
E
F
1
2
3
4
5
SD-BOARD TNPA3809AB (1/2)
To 3rd 120pins of
SCAN ELECTRODES
SD3
IC6956
AN16072A-VT
PDP SCAN DRIVER
S/P
40bit
IC6955
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6968
50V
220p
C6962
16V 1u
C6960
16V 1u
C6967
50V
220p
R6974
220
R6967
220
R6982
10k
R6983
10k
R6981
10k
D6953
B0ECHP000003
R6985
220k
C6982
250V
1u
C6983
250V
1u
D6952
MAZ80560HL
AG_PRO
AG_CLK
AG_CL
AG_SO5
AG_SO4
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vf(High Voltage Floting GND)
VF5V
SD42(Card Edge 80Pin)
TO
SC-BOARD
(SC42)

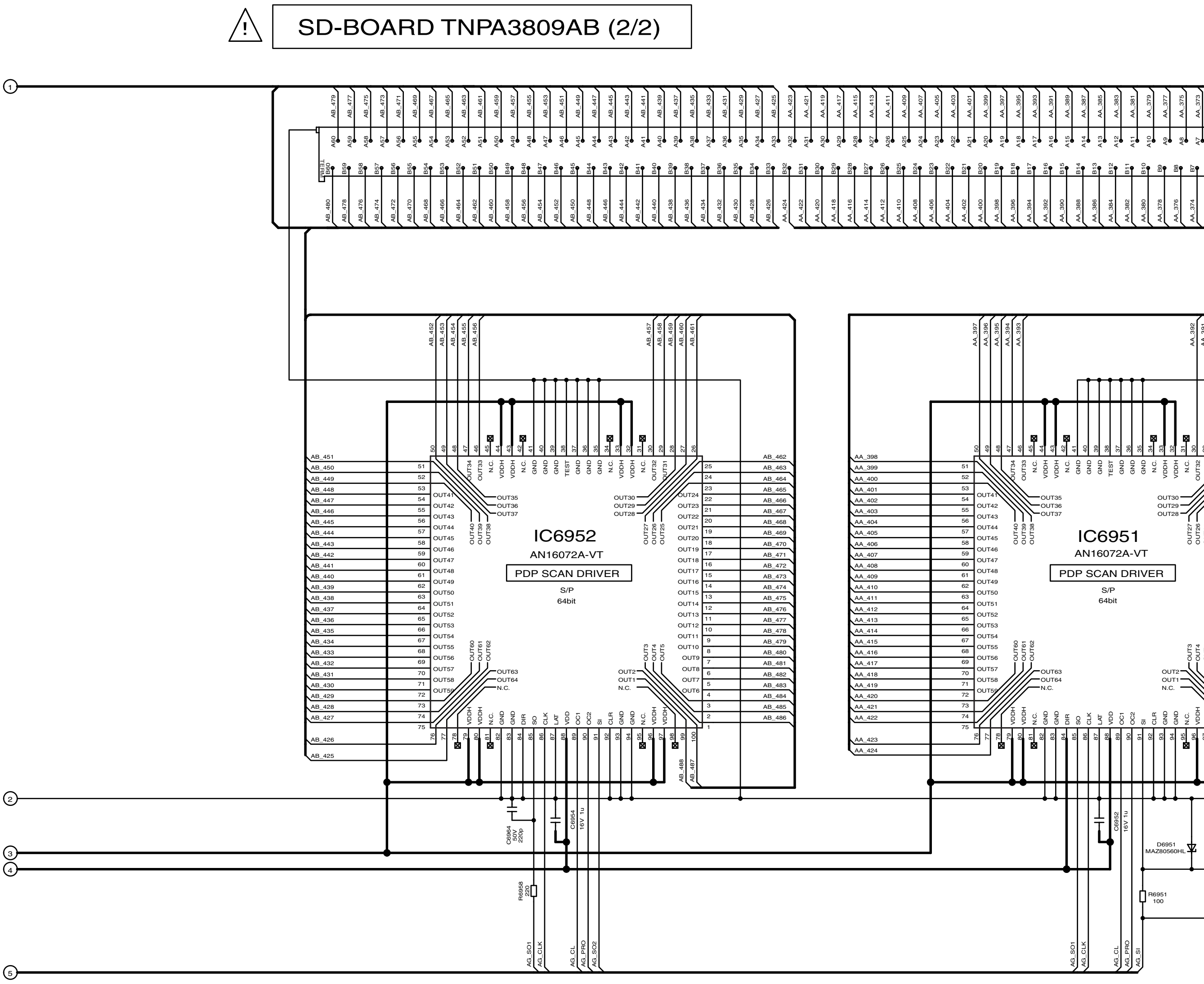
TH-37PV60E, TH-37PX60B
SD-Board (1 of 2) Schematic Diagram

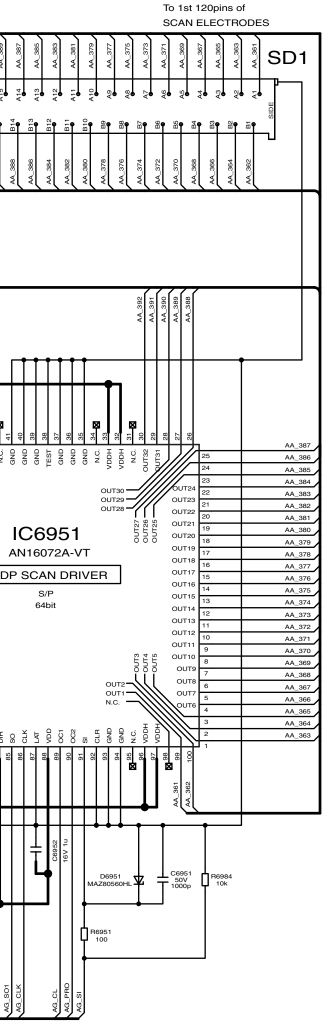

To 2nd 120pins of
SCAN ELECTRODES
SD2
IC6954
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6953
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
D6954
B0ECHP000003
R6986
220k
C6984
250V
1u
C6985
250V
1u
C6981
50V
1000p
R6953
22
R6952
22
R6954
22
FSI
FCL
FCLK
PRO
SD
46
TO
SC-BOARD
(SC46)
(Vscn voltage)
Vfo(Vscn Out)
AG_SO3
AG_CLK
AG_CL
AG_PRO
AG_SO4
AG_SO2
AG_SI
1
2
3
4
5
A62
A63
A64
A65
A66
A67
A68
A69
A70
A71
A72
A73
A74
A75
A76
A77
A78
A79
A80
B62
B63
B64
B65
B66
B67
B68
B69
B70
B71
B72
B73
B74
B75
B76
B77
B78
B79
B80

TH-37PV60E, TH-37PX60B
SD-Board (1 of 2) Schematic Diagram

5 6 7 8 9

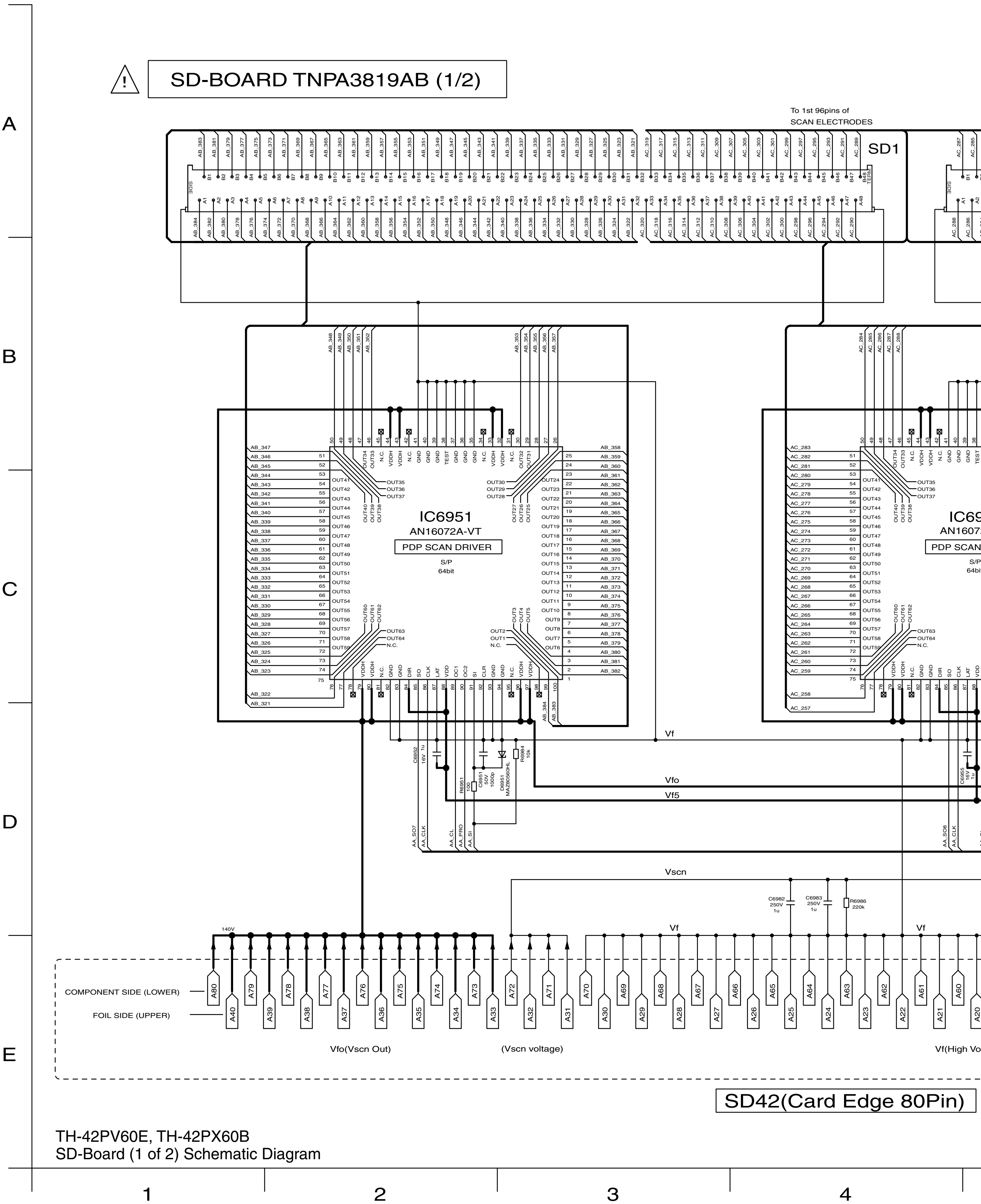
14.71. SD-Board (2 of 2) Schematic Diagram (37inch)


SD-BOARD TNPA3809AB (2/2)
IC6952
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6951
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6964
50V
220p
C6954
16V 1u
R6958
220
C6952
16V 1u
D6951
MAZ80560HL
R6951
100
AG_SO1
AG_CLK
AG_CL
AG_PRO
AG_SO2
AG_SI
1
2
3
4
5

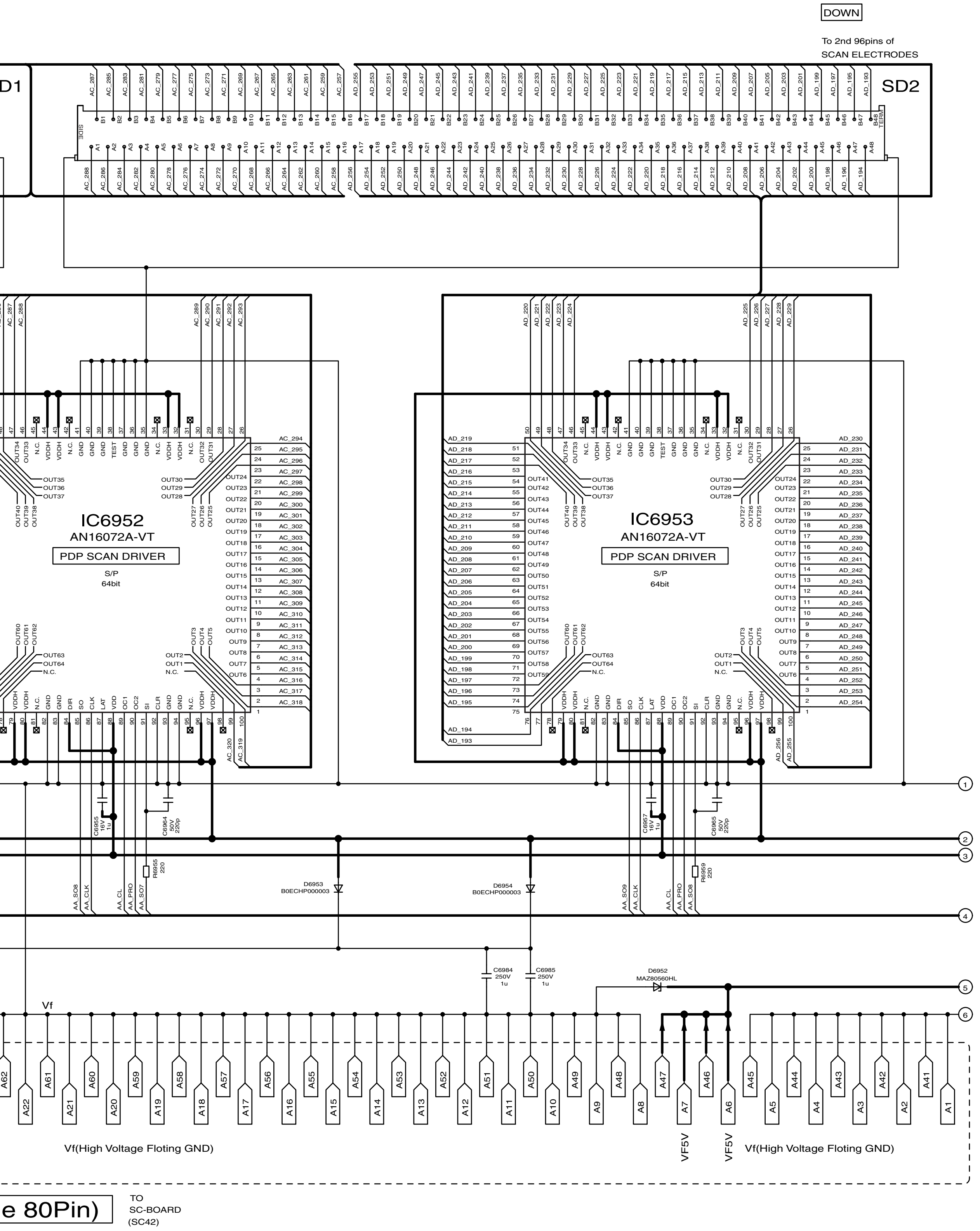

To 1st 120pins of
SCAN ELECTRODES
SD1
SIDE
IC6951
AN16072A-VT
DP SCAN DRIVER
S/P
64bit
AA_392
AA_391
AA_390
AA_389
AA_388
AA_387
AA_386
AA_385
AA_384
AA_383
AA_382
AA_381
AA_380
AA_379
AA_378
AA_377
AA_376
AA_375
AA_374
AA_373
AA_372
AA_371
AA_370
AA_369
AA_368
AA_367
AA_366
AA_365
AA_364
AA_363
AA_362
AA_361
N.C.
GND
TEST
VDDH
OUT32
OUT31
OUT30
OUT29
OUT28
OUT27
OUT26
OUT25
OUT24
OUT23
OUT22
OUT21
OUT20
OUT19
OUT18
OUT17
OUT16
OUT15
OUT14
OUT13
OUT12
OUT11
OUT10
OUT9
OUT8
OUT7
OUT6
OUT5
OUT4
OUT3
OUT2
OUT1
SO
CLK
LAT
VDD
OC1
OC2
SI
CLR
C6952
16V 1u
D6951
MAZ80560HL
C6951
50V
1000p
R6984
10k
R6951
100
AG_SO1
AG_CLK
AG_CL
AG_PRO
AG_SI

TH-37PV60E, TH-37PX60B
SD-Board (2 of 2) Schematic Diagram

14.72. SD-Board (1 of 2) Schematic Diagram (42inch)

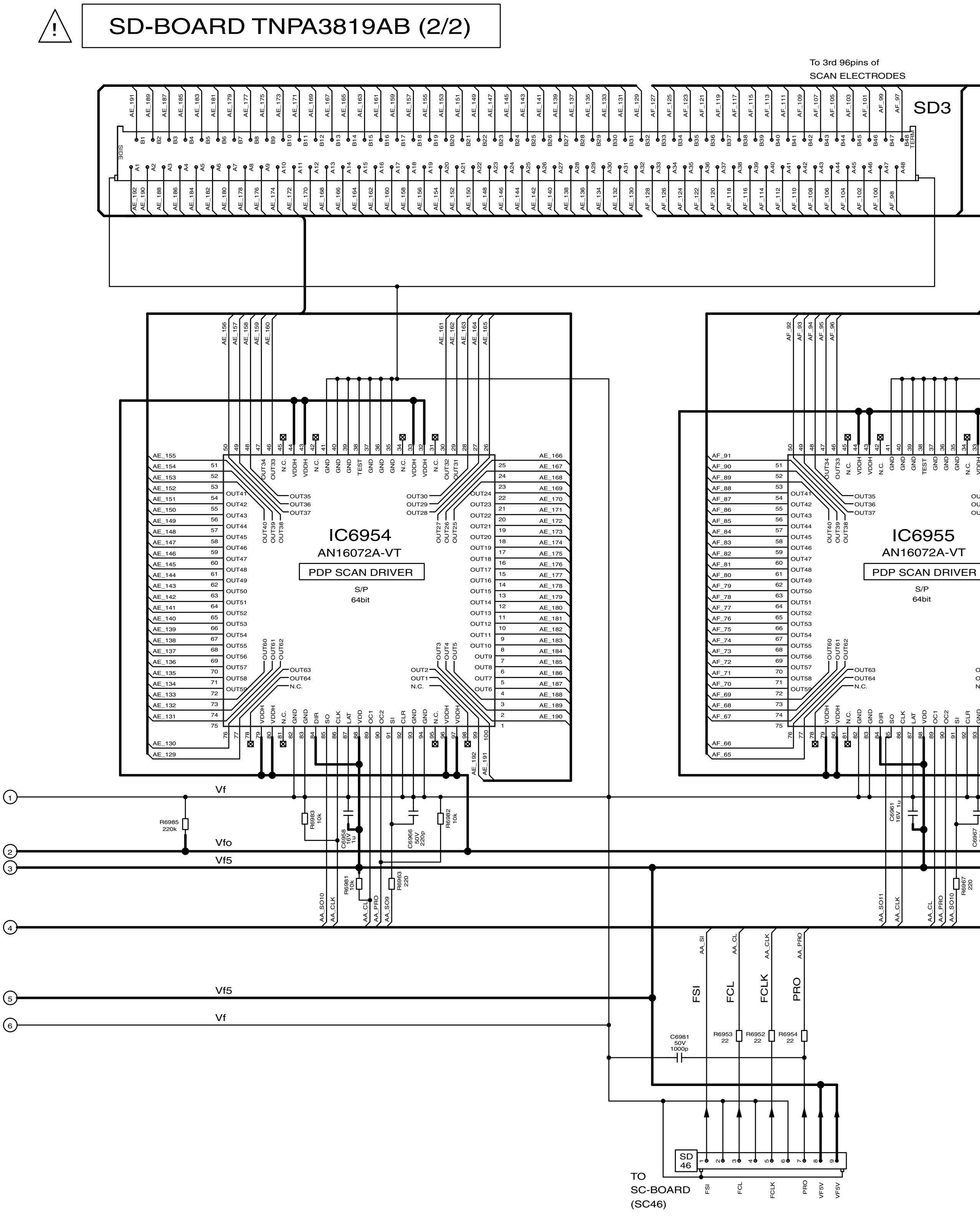

SD-BOARD TNPA3819AB (1/2)
To 1st 96pins of SCAN ELECTRODES
SD1
IC6951
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
140V
C6952 16V 1u
R6951 100
C6951 50V 1000p
D6951 MAZ8056OHL
R6984 10k
C6982 250V 1u
C6983 250V 1u
R6986 220k
C6985 16V 1u
AA_SO7
AA_CLK
AA_CL
AA_PRO
AA_SI
AA_SO8
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vfo(Vscn Out)
(Vscn voltage)
Vf(High Vo
SD42(Card Edge 80Pin)
A
B
C
D
E
1
2
3
4

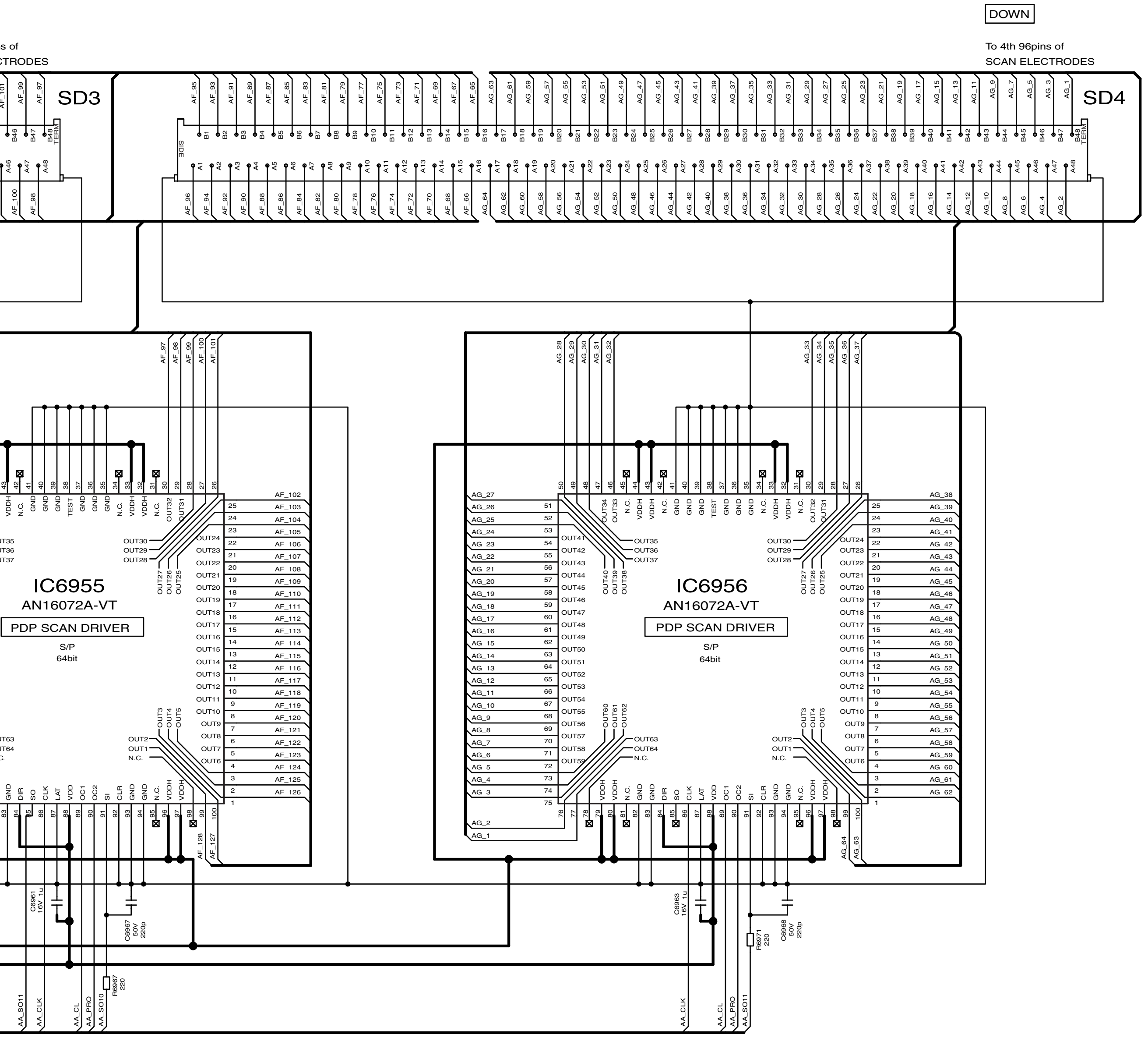
TH-42PV60E, TH-42PX60B
SD-Board (1 of 2) Schematic Diagram


DOWN
To 2nd 96pins of
SCAN ELECTRODES
D1
SD2
SIDE
IC6952
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6953
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6955 16V 1u
C6964 50V 220p
R6955 220
C6957 16V 1u
C6965 50V 220p
R6959 220
D6953 B0ECHP000003
D6954 B0ECHP000003
C6984 250V 1u
C6985 250V 1u
D6952 MAZ80560HL
AA_SO8
AA_CLK
AA_CL
AA_PRO
AA_SO7
AA_SO9
Vf
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
e 80Pin)
TO
SC-BOARD
(SC42)
①
②
③
④
⑤
⑥

TH-42PV60E, TH-42PX60B
SD-Board (1 of 2) Schematic Diagram

14.73. SD-Board (2 of 2) Schematic Diagram (42inch)

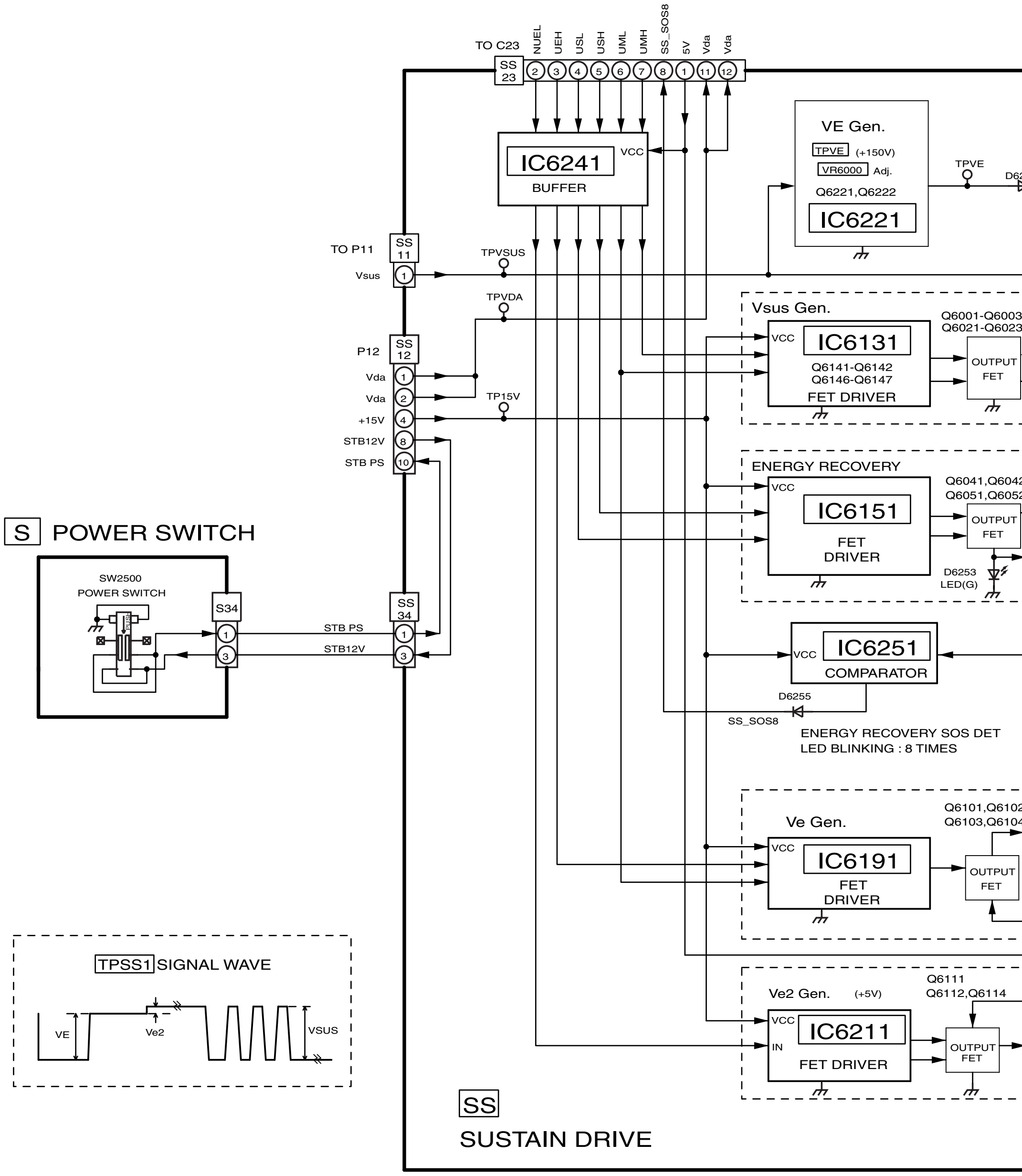

SD-BOARD TNPA3819AB (2/2)
To 3rd 96pins of
SCAN ELECTRODES
SD3
SIDE
IC6954
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6955
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vf5
Vf
R6985
220k
R6983
10k
C6958
16V
1u
C6966
50V
220p
R6982
10k
R6981
10k
R6963
220
C6961
16V 1u
C6967
R6967
220
AA_SO10
AA_CLK
AA_CL
AA_PRO
AA_SO9
AA_SO11
AA_SI
AA_CL
AA_CLK
AA_PRO
FSI
FCL
FCLK
PRO
C6981
50V
1000p
R6953
22
R6952
22
R6954
22
SD
46
TO
SC-BOARD
(SC46)
FSI
FCL
FCLK
PRO
VF5V
VF5V

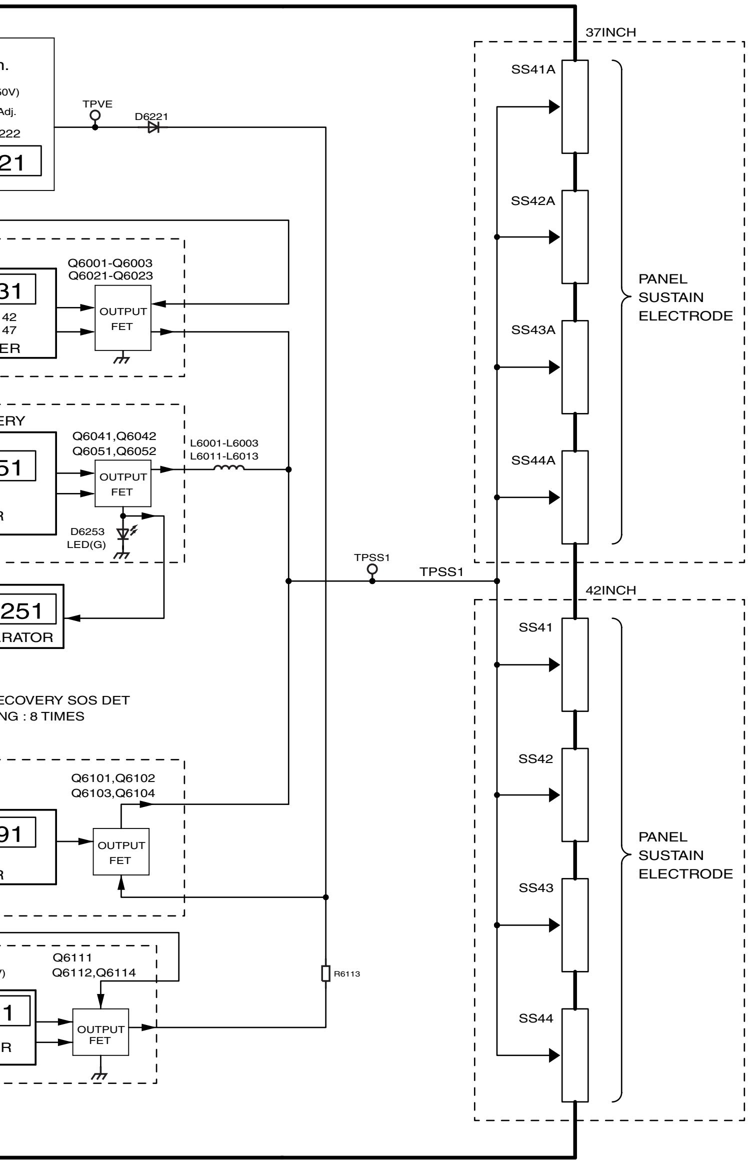

DOWN
To 4th 96pins of SCAN ELECTRODES
SD3
SD4
IC6955
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
IC6956
AN16072A-VT
PDP SCAN DRIVER
S/P
64bit
C6961 16V 1u
C6967 50V 220p
R6967 220
C6963 16V 1u
C6968 50V 220p
R6971 220
AA_SO11
AA_CLK
AA_CL
AA_PRO
AA_SO10

TH-42PV60E, TH-42PX60B
SD-Board (2 of 2) Schematic Diagram

12 13 14 15

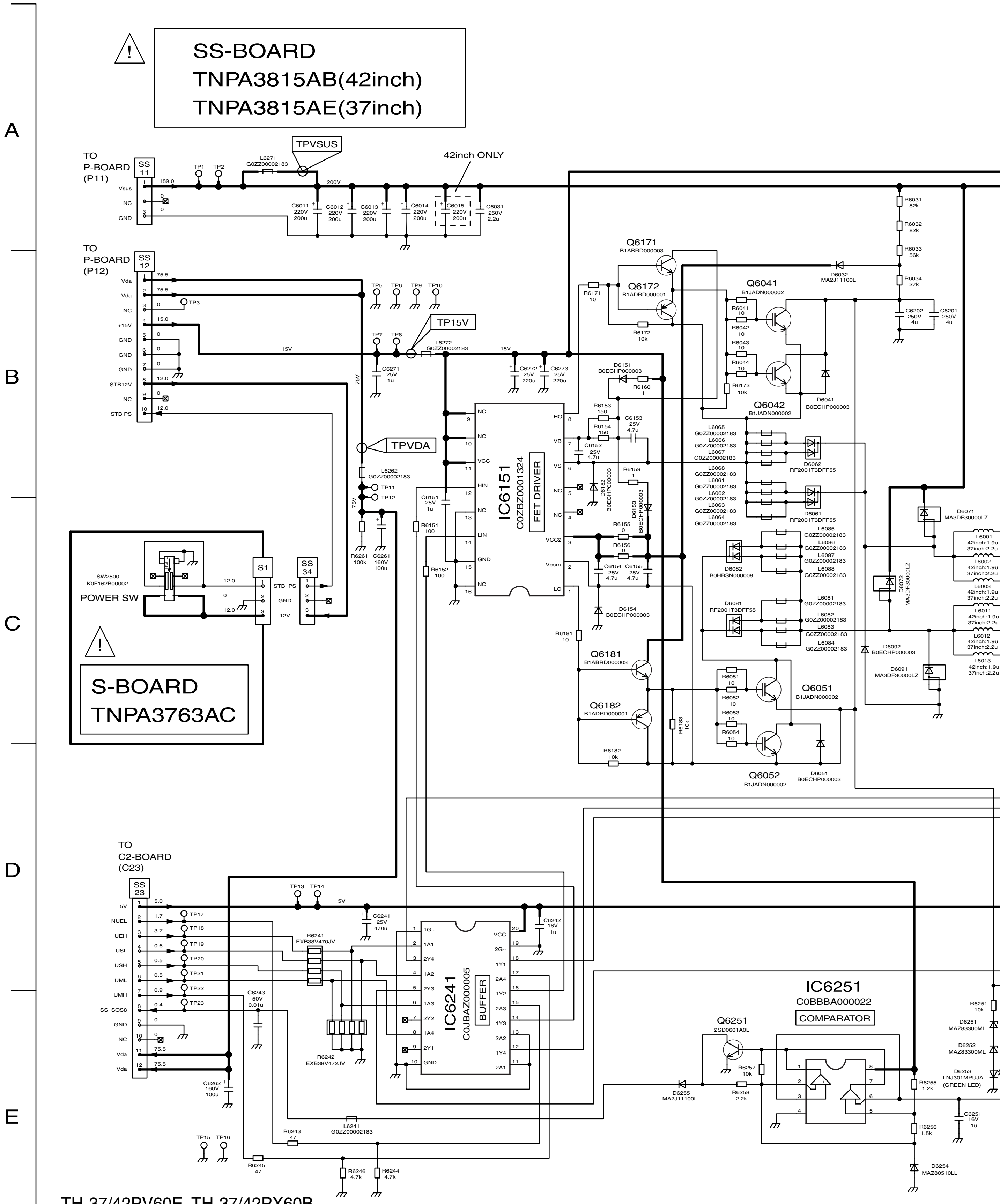
14.74. SS and S-Board Block Diagram


TO C23
SS 23
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
5V
Vda
Vda
IC6241
BUFFER
VCC
VE Gen.
TPVE (+150V)
VR6000 Adj.
Q6221,Q6222
IC6221
TPVE
TO P11
SS 11
Vsus
TPVSUS
TPVDA
P12
SS 12
Vda
Vda
+15V
STB12V
STB PS
TP15V
Vsus Gen.
Q6001-Q6003
Q6021-Q6023
IC6131
Q6141-Q6142
Q6146-Q6147
FET DRIVER
OUTPUT FET
ENERGY RECOVERY
Q6041,Q6042
Q6051,Q6052
IC6151
FET DRIVER
D6253
LED(G)
S
POWER SWITCH
SW2500
POWER SWITCH
S34
SS 34
STB PS
STB12V
IC6251
COMPARATOR
D6255
SS_SOS8
ENERGY RECOVERY SOS DET
LED BLINKING : 8 TIMES
Ve Gen.
Q6101,Q6102
Q6103,Q6104
IC6191
FET DRIVER
TPSS1 SIGNAL WAVE
VE
Ve2
VSUS
Ve2 Gen.
(+5V)
Q6111
Q6112,Q6114
IC6211
IN
FET DRIVER
OUTPUT FET
SS
SUSTAIN DRIVE

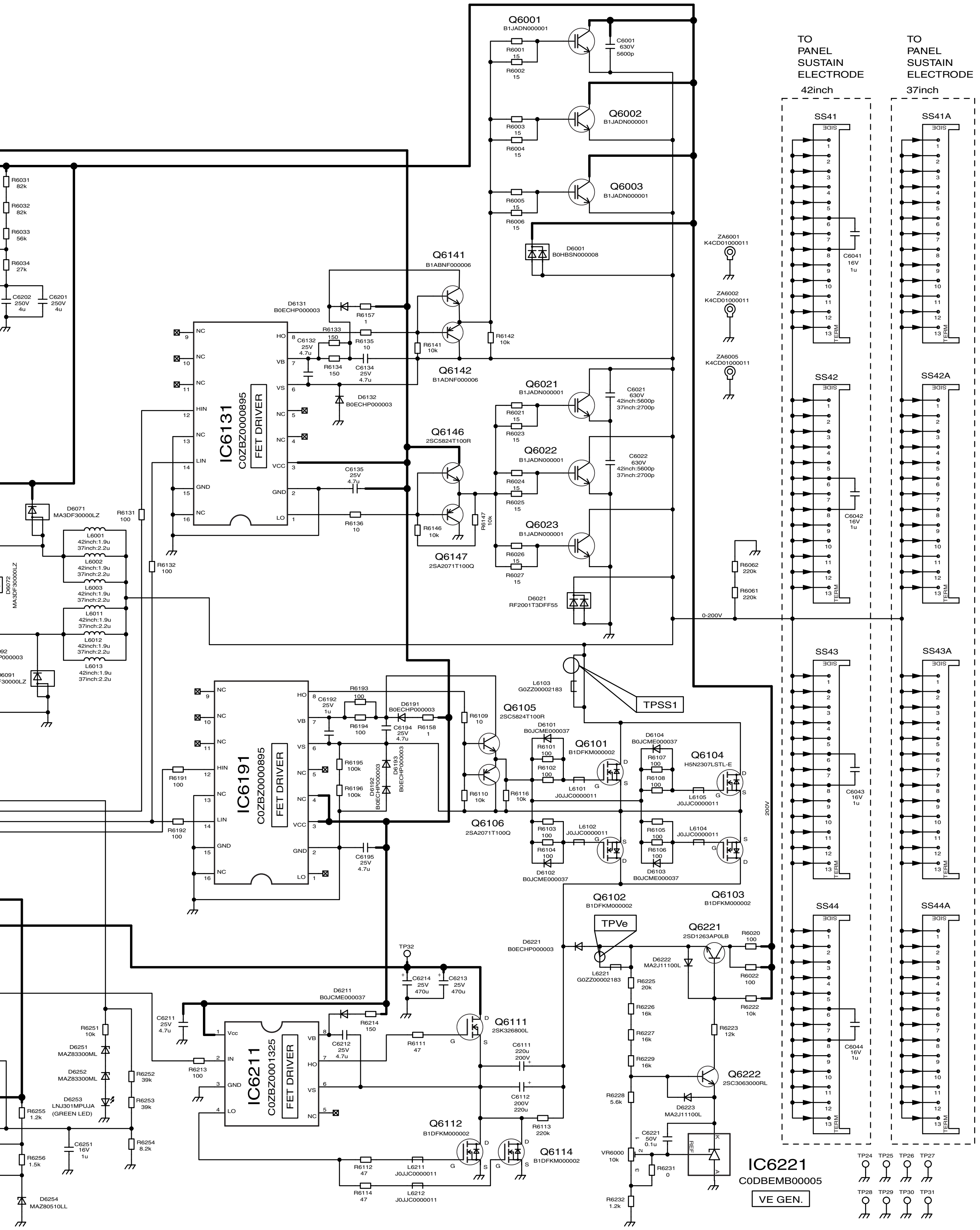

n.
50V)
Adj.
222
21
TPVE
D6221
37INCH
SS41A
SS42A
SS43A
SS44A
PANEL
SUSTAIN
ELECTRODE
Q6001-Q6003
Q6021-Q6023
31
42
47
ER
OUTPUT
FET
ERY
Q6041,Q6042
Q6051,Q6052
51
OUTPUT
FET
R
L6001-L6003
L6011-L6013
D6253
LED(G)
TPSS1
TPSS1
251
RATOR
42INCH
SS41
SS42
SS43
SS44
PANEL
SUSTAIN
ELECTRODE
ECOVERY SOS DET
NG : 8 TIMES
Q6101,Q6102
Q6103,Q6104
91
OUTPUT
FET
R
Q6111
Q6112,Q6114
V)
1
R
OUTPUT
FET
R6113

TH-37/42PV60E, TH-37/42PX60B
SS and S-Board Block Diagram

14.75. SS and S-Board Schematic Diagram


A
B
C
D
E
SS-BOARD
TNPA3815AB(42inch)
TNPA3815AE(37inch)
TO P-BOARD (P11)
SS 11
Vsus
NC
GND
TPVSUS
L6271 G0ZZ00002183
TP1
TP2
189.0
200V
42inch ONLY
C6011 220V 200u
C6012 220V 200u
C6013 220V 200u
C6014 220V 200u
C6015 220V 200u
C6031 250V 2.2u
TO P-BOARD (P12)
SS 12
Vda
+15V
STB12V
STB PS
75.5
15.0
12.0
TP3
TP5
TP6
TP9
TP10
TP7
TP8
TP15V
L6272 G0ZZ00002183
15V
C6271 25V 1u
75V
C6272 25V 220u
C6273 25V 220u
TPVDA
L6262 G0ZZ00002183
TP11
TP12
R6261 100k
C6261 160V 100u
C6151 25V 1u
R6151 100
R6152 100
IC6151
C0ZBZ0001324
FET DRIVER
HIN
LIN
VCC
VCC2
GND
HO
VB
VS
Vcom
LO
Q6171 B1ABRD000003
Q6172 B1ADRD000001
R6171 10
R6172 10k
D6151 B0ECHP000003
R6160 1
R6153 150
R6154 150
C6152 25V 4.7u
C6153 25V 4.7u
R6159 1
D6152 B0ECHP000003
D6153 B0ECHP000003
R6155 0
R6156 0
C6154 25V 4.7u
C6155 25V 4.7u
D6154 B0ECHP000003
R6181 10
Q6181 B1ABRD000003
Q6182 B1ADRD000001
R6182 10k
R6183 10k
Q6041 B1JADN000002
Q6042 B1JADN000002
R6041 10
R6042 10
R6043 10
R6044 10
R6173 10k
D6041 B0ECHP000003
D6032 MA2J11100L
R6031 82k
R6032 82k
R6033 56k
R6034 27k
C6202 250V 4u
C6201 250V 4u
L6065 G0ZZ00002183
L6066 G0ZZ00002183
L6067 G0ZZ00002183
L6068 G0ZZ00002183
L6061 G0ZZ00002183
L6062 G0ZZ00002183
L6063 G0ZZ00002183
L6064 G0ZZ00002183
D6062 RF2001T3DFF55
D6061 RF2001T3DFF55
L6085 G0ZZ00002183
L6086 G0ZZ00002183
L6087 G0ZZ00002183
L6088 G0ZZ00002183
D6082 B0HBSN000008
D6081 RF2001T3DFF55
L6081 G0ZZ00002183
L6082 G0ZZ00002183
L6083 G0ZZ00002183
L6084 G0ZZ00002183
D6071 MA3DF30000LZ
D6072 MA3DF30000LZ
D6092 B0ECHP000003
D6091 MA3DF30000LZ
L6001 42inch:1.9u 37inch:2.2u
L6002 42inch:1.9u 37inch:2.2u
L6003 42inch:1.9u 37inch:2.2u
L6011 42inch:1.9u 37inch:2.2u
L6012 42inch:1.9u 37inch:2.2u
L6013 42inch:1.9u 37inch:2.2u
Q6051 B1JADN000002
Q6052 B1JADN000002
R6051 10
R6052 10
R6053 10
R6054 10
D6051 B0ECHP000003
SW2500 K0F162B00002
POWER SW
S1
SS 34
STB_PS
GND
12V
S-BOARD
TNPA3763AC
TO C2-BOARD (C23)
SS 23
5V
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
C6241 25V 470u
R6241 EXB38V470JV
R6242 EXB38V472JV
C6243 50V 0.01u
C6262 160V 100u
IC6241
C0JBAZ000005
BUFFER
C6242 16V 1u
L6241 G0ZZ00002183
R6243 47
R6245 47
R6246 4.7k
R6244 4.7k
IC6251
C0BBBA000022
COMPARATOR
Q6251 2SD0601A0L
R6257 10k
R6258 2.2k
D6255 MA2J11100L
R6251 10k
D6251 MAZ83300ML
D6252 MAZ83300ML
D6253 LNJ301MPUJA (GREEN LED)
R6255 1.2k
R6256 1.5k
C6251 16V 1u
D6254 MAZ80510LL
1
2
3
4

TH-37/42PV60E, TH-37/42PX60B
SS and S-Board Schematic Diagram


Q6001
B1JADN000001
R6001 15
R6002 15
C6001 630V 5600p
Q6002
B1JADN000001
R6003 15
R6004 15
Q6003
B1JADN000001
R6005 15
R6006 15
D6001
B0HBSN000008
Q6141
B1ABNF000006
D6131
B0ECHP000003
R6157 1
R6133 150
R6135 10
C6132 25V 4.7u
R6134 150
C6134 25V 4.7u
R6141 10k
R6142 10k
Q6142
B1ADNF000006
D6132
B0ECHP000003
IC6131
C0ZBZ0000895
FET DRIVER
NC
HO
VB
VS
HIN
LIN
GND
VCC
LO
Q6146
2SC5824T100R
C6135 25V 4.7u
R6136 10
R6146 10k
R6147 10k
Q6147
2SA2071T100Q
Q6021
B1JADN000001
R6021 15
R6023 15
C6021 630V 42inch:5600p 37inch:2700p
Q6022
B1JADN000001
R6024 15
R6025 15
C6022 630V 42inch:5600p 37inch:2700p
Q6023
B1JADN000001
R6026 15
R6027 15
D6021
RF2001T3DFF55
R6031 82k
R6032 82k
R6033 56k
R6034 27k
C6202 250V 4u
C6201 250V 4u
D6071
MA3DF30000LZ
R6131 100
R6132 100
L6001 42inch:1.9u 37inch:2.2u
L6002 42inch:1.9u 37inch:2.2u
L6003 42inch:1.9u 37inch:2.2u
L6011 42inch:1.9u 37inch:2.2u
L6012 42inch:1.9u 37inch:2.2u
L6013 42inch:1.9u 37inch:2.2u
D6072
MA3DF30000LZ
IC6191
C0ZBZ0000895
FET DRIVER
R6191 100
R6192 100
C6192 25V 1u
R6193 100
R6194 100
D6191
B0ECHP000003
C6194 25V 4.7u
R6158 1
R6195 100k
R6196 100k
D6192
B0ECHP000003
D6193
B0ECHP000003
C6195 25V 4.7u
R6109 10
Q6105
2SC5824T100R
R6110 10k
R6116 10k
Q6106
2SA2071T100Q
L6103
G0ZZ00002183
TPSS1
D6101
B0JCME000037
R6101 100
R6102 100
L6101 J0JJC0000011
Q6101
B1DFKM000002
D6104
B0JCME000037
R6107 100
R6108 100
Q6104
H5N2307LSTL-E
L6105 J0JJC0000011
R6103 100
R6104 100
L6102 J0JJC0000011
D6102
B0JCME000037
R6105 100
R6106 100
L6104 J0JJC0000011
D6103
B0JCME000037
Q6102
B1DFKM000002
Q6103
B1DFKM000002
200V
0-200V
R6062 220k
R6061 220k
ZA6001
K4CD01000011
ZA6002
K4CD01000011
ZA6005
K4CD01000011
TO PANEL SUSTAIN ELECTRODE
42inch
TO PANEL SUSTAIN ELECTRODE
37inch
SS41
SS41A
SS42
SS42A
SS43
SS43A
SS44
SS44A
SIDE
TERM
C6041 16V 1u
C6042 16V 1u
C6043 16V 1u
C6044 16V 1u
TPVe
D6221
B0ECHP000003
L6221
G0ZZ00002183
D6222
MA2J11100L
Q6221
2SD1263AP0LB
R6020 100
R6022 100
R6222 10k
R6225 20k
R6226 16k
R6227 16k
R6229 16k
R6223 12k
Q6222
2SC3063000RL
R6228 5.6k
D6223
MA2J11100L
C6221 50V 0.1u
VR6000 10k
R6231 0
R6232 1.2k
REF
IC6221
C0DBEMB00005
VE GEN.
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31
TP32
C6214 25V 470u
C6213 25V 470u
D6211
B0JCME000037
C6211 25V 4.7u
R6214 150
C6212 25V 4.7u
IC6211
C0ZBZ0001325
FET DRIVER
Vcc
IN
GND
LO
VB
HO
VS
NC
R6213 100
Q6111
2SK3268000L
R6111 47
C6111 220u 200V
C6112 200V 220u
R6113 220k
Q6112
B1DFKM000002
Q6114
B1DFKM000002
R6112 47
L6211 J0JJC0000011
R6114 47
L6212 J0JJC0000011
R6251 10k
D6251
MAZ83300ML
D6252
MAZ83300ML
D6253
LNJ301MPUJA
(GREEN LED)
R6252 39k
R6253 39k
R6254 8.2k
R6255 1.2k
C6251 16V 1u
R6256 1.5k
D6254
MAZ80510LL

TH-37/42PV60E, TH-37/42PX60B
SS and S-Board Schematic Diagram

4 5 6 7 8